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U.S. Environmental Protection Agency
Emergency Response Office
75 Hawthorne Street
San Francisco, California 94105

Ref. No.: T190199-002
TDD: 099806-0010
PAN: 0327PPRSXX

Attention: Karen Nelson, Project Officer

Subject: Pomona Plating Responsible Party Monitoring Final Report, Pomona, Los Angeles County, California

This document consists of two volumes. Volume II is submitted separately, and is discussed in the final section of this report.

Introduction

In July 1998, Environmental Protection Agency (EPA) On-Scene Coordinator (OSC), B. Lewis tasked the Superfund Technical Assessment and Response Team (START) to conduct oversight of potentially responsible party (PRP) removal efforts at the defunct Pomona Plating facility. The facility is located at 720 Indigo Court, Pomona, Los Angeles County, California, 34° 05' 35" N latitude, 117° 44' 12" W longitude (see Figure 1: Site Location Map). The facility consists of a one-story, 10,000 square foot building situated on an approximately 40,000 square foot lot. The lot is shared by another operational facility which is located adjacent to the Pomona Plating facility to the east (see Figure 2, Facility Diagram). The START conducted PRP oversight efforts beginning in July 1998. Photodocumentation is included in Attachment A.

Site History

On April 1, 1998, EPA tasked the START to perform a site assessment of the facility. This investigation was initiated in response to a formal request for assistance submitted to EPA by the Los Angeles County Fire Department, Health Hazardous Materials Division (HHMD). START's initial phase of the assessment was to obtain documents in HHMD files pertaining to the facility. The HHMD had documented the facility's repeated non-compliance with numerous Notices of Violation, and was concerned about possible on-site chemical releases, plating waste storage violations and possible facility abandonment.

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The current property owner, D. Distefano, operated the facility from approximately 1977 to December 1992, under the name of JR Electroplating. From January 1993 to December 1995, the facility was operated by D. Alvarado and F. Velasco, doing business as (dba) Silver Works. In December 1995, business ownership was transferred to J. Sanchez, F. Diaz and J. Castro, collectively dba Pomona Plating, who operated the facility until the present. Mr. Distefano continues to own the property and leases the facility to the Pomona Plating partners.

Each site operator (JR Electroplating, Silver Works, Pomona Plating) was the subject of numerous verbal directives and written Notices of Violation, either from the Los Angeles County Sanitation District (LACSD) for illegal waste discharge or the HHMD for non-compliant waste management practices. In July 1997, a fire occurred which damaged several process tanks and left two 3-foot diameter holes in the roof above the main plating line area. County records indicate that between the time of this fire and February 1998, at least ten separate HHMD inspections were conducted at the site. Each inspection revealed unsatisfactory hazardous waste management practices.

On January 14, 1998, an Administrative Hearing was held at LACSD. The hearing was attended by Messrs. Sanchez and Castro who both stated they are no longer operating the facility or disposing of wastes at the Pomona Plating site. In response, the LACSD voided the facility's industrial wastewater discharge permit (#14197, first issued 3/19/96). The LACSD also required the partners to seal the industrial connection to the sanitary sewer. The industrial connection sealing was verified in subsequent inspections by the LACSD and HHMD, however, the facility itself was found locked and vacant and no repairs to the fire-damaged roof had been made. In addition, large volumes of plating chemicals and chemical wastes were present in open vats, roll-off bins and portable tanks in the back lot and parking areas.

Tables 1 through 4 indicate the preliminary inventory of materials encountered at the site during the second phase of START's Site Assessment. Characterization efforts of the site consisted of the collection of samples from the contents of plating vats, drums, supersacks, soil and floor sludge, and their subsequent submittal to EMAX Laboratories, Inc. for analysis. The analytical results indicated that certain of the on-site wastes exceeded the California Total Threshold Limit Concentration (TTLC) for chromium, copper, nickel and pH. The soil sample was collected from the property's southern fenceline, downgradient of the plating facility. Analytical results from this sample revealed elevated concentrations of copper and nickel, which suggested that contamination had migrated away from the main building into the downgradient areas. Detailed findings associated with the site assessment are reported under START Technical Direction Document # 099804-001.

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**Table 1: Plating Line Inventory
Pomona Plating**

Number	Type	Description ¹	Est. Size (feet)	Est. Capacity (gallons)	Est. Volume (gallons)
1	Vat	Acid Copper	15 x 4 x 5	2,250	2,250
2	Drum	Acid Copper Dragout	N/A	55	55
3	Vat	Watts Nickel Dummy	5 x 1.5 x 3.5	200	100
4	Vat	Watts Nickel	11 x 4 x 5	1,650	1,650
5	Drum	5% Sulfuric Acid	N/A	55	28
6	Vat	Soap Rinse	2.5 x 2.5 x 2.5	120	60
7	Vat	Nitric Acid	2.5 x 2.5 x 2.5	120	90
8	Vat	Actuator	2.5 x 2.5 x 2.5	120	60
9	Vat	Actuator Rinse	2.5 x 2.5 x 3.5	130	65
10	Vat	Soap	6 x 2.5 x 3	335	335
11	Vat	Soap	6 x 2.5 x 3	335	335
12	Vat	Electro Cleaner	2 x 3 x 3	160	160
13	Vat	Nickel Chloride/ Hydrochloric Acid	2 x 3 x 3	160	160
14	Drum	Dragout	N/A	55	55
15	Vat	Acid Copper	12 x 4.5 x 4	1,600	1,200
16	Vat	Bright Nickel	10 x 4.5 x 5	1,700	1,700
17	Vat	Rinse	2.5 x 2.5 x 2.5	120	60
18	Drum	Rinse	N/A	55	20
19	Vat	Rinse	4.5 x 2.5 x 2.5	210	105
20	Vat	5% Sulfuric Acid	2.5 x 2.5 x 2.5	120	60
21	Vat	Soap Rinse	2.5 x 2.5 x 2.5	120	12
22	Drum	Soap Dragout	N/A	55	55
23	Drum	Zincate Dragout	N/A	55	28
24	Drum	Zincate Dragout	N/A	55	28

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**Table 1: Plating Line Inventory
Pomona Plating**

Number	Type	Description ¹	Est. Size (feet)	Est. Capacity (gallons)	Est. Volume (gallons)
25	Vat	Zincate	5 x 1.5 x 3	170	85
26	Drum	Dragout	N/A	55	28
27	Drum	Dragout	N/A	55	28
28	Drum	Dragout	N/A	55	28
29	Vat	Copper Dragout Rinse	2.5 x 3 x 3	170	85
30	Vat	Copper Dragout Rinse	2.5 x 3 x 3	170	85
31	Vat	Watts Nickel	9.5 x 3 x 4	850	850
32	Drum	Zincate Dragout	N/A	55	28
33	Vat	Acid Copper	12 x 5 x 4	1,800	1,800
34	Drum	Chrome Dragout	N/A	55	10
35	Drum	Chrome Dragout	N/A	55	15
36	Drum	Chrome Dragout	N/A	55	15
37	Vat	Chrome Dragout	2.5 x 2 x 1.5	55	28
38	Vat	Chrome	4 x 3 x 4	360	270
39	Drum	Chrome Dragout	N/A	55	28
40	Vat	Chrome Dragout	4.5 x 2.5 x 2.5	210	160
41	Vat	Sodium Hydroxide	2 x 2 x 4	120	90
Total Estimated Volume =					12,304 (gal.)

¹ as described to START by Mr. Jay White, plating consultant to Pomona Plating

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**Table 2: Wastewater Treatment Inventory
Pomona Plating**

Type	Description	Est. Size (feet)	Est. Capacity (gallons)	Est. Volume (gallons)
Tank N1	Chrome Destruct	4 x 9	1,900	1,500
Tank N2	Acid Destruct	4 x 9	1,900	250
Tank N3	Flocculant	4 x 9	1,900	650
Filter Press	Filter Cake	N/A	N/A	N/A
Drum	Sulfuric Acid	N/A	55	55
Drum	Caustic Soda	N/A	55	55
Drum	Sulfuric Acid	N/A	55	55
Drum	Caustic Soda	N/A	55	55
Tank	Clarifier	8 x 3	1,100	400
Tank	Unknown Liquid	6 x 8	1,700	1,300
Vat	Chrome Rinse	2.5 x 2.5 x 2.5	120	60
Vat	Acid Rinse	2.5 x 2.5 x 2.5	120	60
Vat	Unknown Rinse	2.5 x 2.5 x 2.5	120	60
Vat	Copper Rinse	2.5 x 2.5 x 2.5	120	60
Total Estimated Volume =				4,560 (gal.)

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**Table 3: Misc. Chemicals Inside Building
Pomona Plating**

Type	Description	Location	Est. Capacity (gallons)	Est. Volume (gallons)
Drums (7)	Unknowns	Plating Room	385	350
Drums (2)	Sulfuric Acid	Plating Room	110	100
Drum	Nickel Sulfate Liquid	Plating Room	55	50
Drum	Liquid Zincate	Plating Room	55	50
Drum	Nickel Sulfate	Plating Room	55	50
Drum	Soak 115	Plating Room	45	40
Drum	Soak 101LF	Plating Room	55	50
Drum	Chem Cote 3252	Plating Room	55	50
Drum	"Good Zincate"	Plating Room	55	50
Containers (24)	Misc. Additives	Plating Room	120	100
Poly Tank	Outside Berm Liquids	Plating Room	3,000	400
Poly Tank	Acid Rinse	Plating Room	2,250	2,250
Drum	Spent Nickel Liquid	Polishing Room	55	50
Total Estimated Liquids Volume = 3,590 (gal.)				
Fiber Bags (4)	Ferrous Sulfate	Plating Room	200 lbs.	200 lbs.
Fiber Bags (5)	Sodium Metabisulfite	Plating Room	250 lbs.	220 lbs.
Supersacks (18)	Filter Cake	Polishing Room	36,000 lbs.	36,000 lbs
Total Estimated Solids Volume = 36,440 (lbs.)				

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Table 4: Outside Areas Inventory¹
Pomona Plating

Number	Type	Description ¹	Est. Size (feet)	Est. Capacity (gallons)	Est. Volume (gallons)
1	Vat	Unknown	2.5 x 1 x 3	55	8
2	Vat	Unknown	4.5 x 2.5 x 2.5	210	160
3	Vat	Unknown	6.5 x 2 x 4	390	310
4	Vat	Sludge?	8.5 x 2 x 4	510	380
5	Vat	Solvent?	6 x 2 x 4	375	40
6	Vat	Water?	2.5 x 2.5 x 2.5	110	110
7	Vat	Unknown	6 x 3 x 4	540	430
8	Vat	Copper Sludge?	12 x 4.5 x 5	2,000	1,000
9	Vat	Unknown	10 x 4 x 4	1,200	1,200
10	Vat	Copper Sludge?	6 x 3.5 x 3.5	560	280
11	Vat	Empty	3 x 3 x 3	200	0
12	Vat	"Spent Chrome"	10 x 5 x 5	1,900	1,900
13	Poly Tank	Rain Water?	8 x 7	2,300	1,300
14	Poly Tank	Rain Water?	9 x 6	1,400	1,400
15	Poly Tank	Rinse Water?	9 x 6	1,400	1,400
16	Poly Tank	Unknown	7 x 6	1,500	1,125
17	Poly Tank	Unknown	7 x 6	1,600	1,600
18	Vat	Unknown	5 x 4 x 4	600	480
19	Poly Tank	Unknown	5 x 4	1,900	1,500
20	Vat	"Good Nickel Liq."	6 x 3 x 4	550	500
21	Vat	Copper Liquid?	8 x 7 x 5	2,000	2,000
22	Vat	Can't Access	5 x 4 x 4	600	Unknown
23	Poly Tank	Unknown	7 x 6	1,600	1,600
Total Estimated Volume =					18,723 (gal.)

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Table 4: Outside Areas Inventory¹
Pomona Plating

Number	Type	Description ¹	Est. Size (feet)	Est. Capacity (gallons)	Est. Volume (gallons)
N/A	Drums (35)	"Spent Nitric and/or Acid" (D007)	N/A	1,925	1,900
N/A	Drums (4)	"Chromic Waste"	N/A	220	220
N/A	Drum	Bleach	N/A	55	55
N/A	Drums (5)	Sodium Hydroxide	N/A	275	275
N/A	Drums (3)	Nitric Acid	N/A	165	165
N/A	Containers (5-15)	Unknown	N/A	N/A	70
N/A	Drums (9)	Misc. Cleaning and Floc. Solutions	N/A	495	495
N/A	Roll-Off Bins (2)	Cont. Debris	N/A	40 yd ³	40 yd ³
Total Estimated Drum and Container Liquid Volume =					3,345 (gal.)
Total Estimated Solids Volume =					40 yd ³

¹ All Inventory items in facility back lot, with exception of last two table entries located in front parking lot area

As a result of the START site assessment, OSC Lewis determined that the conditions present at the Pomona Plating facility constituted a threat to public health or welfare or the environment based upon the factors set forth in the National Contingency Plan at 40 CFR 300.415(b). These conditions included the storage of hazardous substances and wastes in open drums and vats, exposed vats in deteriorated condition, the presence of large volumes of plating solutions and sludges beneath various tanks and vats, and an overall lack of building structural integrity.

On May 22, 1998, Unilateral Administrative Order 98-09 (UAO), pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, was issued by EPA to potentially responsible parties of the Pomona Plating facility, referred to as "Respondents". The terms of the UAO required that Respondents submit to EPA within ten calendar days after the effective date of the UAO a workplan including a description of all activities to be conducted at the site in order to fulfill removal and cleanup requirements of the UAO. Workplan requirements stated in paragraph 35 of the UAO included the following:

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1. The workplan should include a proposed schedule for implementing and completing required activities.
2. Should the Respondents plan to continue plating operations at the facility, the proposed schedule must include the time needed to obtain all necessary operating permits.
3. Should the Respondents not plan to continue plating operations at the facility, the proposed schedule must include the time needed for the removal of all chemicals on-site, as well as the appropriate decontamination or disposal of all interior surfaces and equipment should they not.

Paragraph 36 of the UAO indicated that required removal activities were to include but may not be limited to:

- A. Identifying all chemical compounds in all vats and other containers, including sampling and analyzing all unknown chemicals and all chemicals in containers without labels or with unreadable labels;
- B. Segregating and securing containers of chemical waste in groups according to compatibility of the chemical contents;
- C. Characterizing, containerizing, and securing all of the spilled material encountered in the water treatment and plating areas;
- D. Transporting and disposing of, in accordance with all applicable or appropriate and relevant federal and state laws, all waste hazardous substances on-site;
- E. Conducting surface and subsurface soil sampling to determine the full nature and extent of soil contamination;
- F. Disposing, stabilizing, or treating grossly contaminated soils found at or near the surface at the direction of the OSC;
- G. Providing EPA with copies of all documentation related to off-site disposal of wastes including, but not limited to, manifests, waste profiles and analytical data and disposal costs;
- H. Notifying the EPA OSC at least forty-eight hours prior to any on-site work. Notifying the EPA OSC at least 72 hours prior to disposal of wastes; and
- I. Providing and implementing a post-cleanup sampling and analysis plan.

Both Messrs. Sanchez and Distefano submitted written Notices of Intent to Comply in response to the UAO. On June 25, 1998, a workplan prepared by J. White Laboratory & Company on behalf of Pomona Plating Company (see Vol. II, Attachment A) for the clean-up and removal of hazardous materials at the site was submitted to EPA. EPA rejected this workplan and informed the Respondents that they would be required to submit another workplan by July 6, 1998. A workplan was not submitted by this deadline. Mr. Distefano notified EPA that he had contracted with Geosyntec Consultants (Geosyntec) to perform the work. EPA issued another deadline of July 10, 1998 to submit a workplan. A workplan prepared by Geosyntec was submitted to EPA on this date

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(see Vol II., Attachment B). After Geosyntec's incorporation of EPA and START's suggested modifications (see Attachment D), this workplan was accepted by EPA (see Vol. II, Attachment C).

Mr. Distefano was also informed by EPA that if the fire damage to the building was not repaired by July 14, he would be in violation of the UAO. On July 14, 1998, the START arrived on-site to observe work being performed to repair fire damage. Repair to the building was completed that day.

On July 30, Geosyntec personnel were on-site to collect samples from the two roll-off bins located on the southern portion of the lot. The contents of these bins appeared to be filter cake material, spill absorbent, and various cloth-like materials. The samples were analyzed by Calscience Environmental Laboratories, Inc. for metals by EPA Method 6010B, pH by Method 9045B and mercury by Method 7471A. Analytical results indicated elevated concentrations of nickel, copper and chrome such that disposal at a hazardous waste facility would be required (see Attachment C, Analytical Report).

Mr. Distefano indicated to EPA that some of the chemicals on-site were usable products and should not be considered as wastes. He requested that he be allowed to keep some chemicals on-site to be either sold or used in future plating operations at the site. EPA informed Mr. Distefano that he was to notify the EPA by August 14, 1998 of his decision of whether to continue or discontinue plating operations at the site. If the plans were to discontinue operations, all chemicals at the site would be required to be removed as wastes.

U.S. Filter Recovery Services, Inc. (U.S. Filter) was contracted by Mr. Distefano to perform removal and clean-up operations at the site. Geosyntec was retained by Mr. Distefano as consultants to direct and oversee on-site activities, and to inform Mr. Distefano's attorney, Karen A. Caffee, Esq., of McCutchen, Doyle, Brown & Enerson of on-site issues and activities.

Removal Activities

On August 10, 1998, U.S. Filter personnel were on-site to begin categorization and sampling of materials. At this point, a storage tank in the north exterior area was discovered to be leaking, with greenish nitric acid solution filling approximately half of the secondary containment area. Because of the threat of release and off-site migration, authority was given by Mr. Distefano's attorney to begin emergency removal of the liquid from the tank and bermed area. U.S. Filter contracted with Enviroserve to provide a vacuum truck to the site, pump the liquid out of the tank and transport it to U.S. Filter's facility in Los Angeles, California. Because the truck was already on-site, the decision was made to remove other nitric-compatible wastes located in tanks and vats in the north exterior area as well.

After pumping liquids into the vacuum truck, U.S. Filter discovered that some sludges remained at the bottom of several tanks and vats. The decision was made by U.S. Filter's project manager not

to remove the sludges into the vacuum truck, but to wait and bulk as much of the sludges as possible together as solids at a later date.

Based on U.S. Filter's characterization data, the wastes located in the interior and exterior areas were bulked into several distinct waste streams. These waste streams included:

- Nitric acid liquids
- Neutral liquids
- Chelated nickel liquids
- Cyanide-containing liquids
- Chromic acid liquids
- Sulfuric acid liquids
- Miscellaneous acids
- Caustics

On August 14, 1998, U.S. Filter began removal of liquids from containers in the north and south exterior areas. As previously mentioned, the EPA had declared this date as a deadline for Mr. Distefano's decision of whether to resume plating operations at the site or to remove all materials as wastes. Reportedly, this decision was to be based on whether or not a buyer could be found for the facility. However, no word had been received by the removal contractors regarding this decision at this time, therefore, only the materials outside and the supersacks of filter cake inside the facility were scheduled for removal.

The plating line vat solutions which were left on-site pending removal decision are listed in Table 5. Mr. Distefano argued that these solutions had value and should remain at the site until he reached his decision regarding future plating operations. The numbers listed in Table 5 represent START's numbering scheme used in the previously- mentioned site assessment performed by START dated July 27, 1998.

**Table 5: Plating Line Vat Solutions Retained
Pomona Plating**

Number	Type	Description ¹	Est. Size (feet)	Est. Capacity (gallons)	Est. Volume (gallons)
1	Vat	Acid Copper	15 x 4 x 5	2,250	2,250
3	Vat	Watts Nickel Dummy	5 x 1.5 x 3.5	200	100
4	Vat	Watts Nickel	11 x 4 x 5	1,650	1,650

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**Table 5: Plating Line Vat Solutions Retained
Pomona Plating**

Number	Type	Description ¹	Est. Size (feet)	Est. Capacity (gallons)	Est. Volume (gallons)
13	Vat	Nickel Chloride/ Hydrochloric Acid	2 x 3 x 3	160	160
15	Vat	Acid Copper	12 x 4.5 x 4	1,600	1,200
16	Vat	Bright Nickel	10 x 4.5 x 5	1,700	1,700
31	Vat	Watts Nickel	9.5 x 3 x 4	850	850
33	Vat	Acid Copper	12 x 5 x 4	1,800	1,800
38	Vat	Chrome	4 x 3 x 4	360	270

¹: As described to START by Mr. Jay White, plating consultant to Pomona Plating

In addition to the items listed above contained in the plating line area, a vat located in the north exterior area containing chromic acid (approximately 2,800 gallons) was reported by Mr. Sanchez as being valuable, usable product. Mr. Sanchez felt that the solution should be kept on-site to be used in future plating operations. EPA allowed this vat to remain on-site temporarily pending Mr. Distefano's decision regarding the facility. The chromic acid from this vat was therefore not removed during the initial removal phase.

In accordance with Paragraph 35 of the UAO, Geosyntec submitted, on behalf of Mr. Distefano, weekly written reports to EPA and to START summarizing the activities of the previous week and those planned for the next week. The first report submitted was for the week ending July 17, 1998.

Mr. Distefano had indicated which of the exterior vats, tanks and other containers he wanted cleaned and which were to be dismantled for removal. U.S. Filter pressure-washed the containers which were to be kept on-site, and cut up and placed in RCRA debris bins all others. The reusable 55-gallon poly drums on-site were triple-rinsed and stored in the western portion of the south bay area of the building for future use or sale.

The original two 40 yd³ roll-off bins located in the parking lot at the southern portion of the property (see Figure 2) were the property of MP Environmental. Removal of the bins was reportedly the responsibility of Varia Waste Management, who was dealing directly with Mr. Distefano regarding removal. However, during the week ending August 21, 1998, the agreement between Mr. Distefano and Varia Waste to remove the two on-site roll-off bins was terminated, therefore, U.S. Filter was

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given authority to remove the bins. At this time, U.S. Filter was also given authority to proceed with cleanup of the interior plating line chemicals which were to be designated as wastes. Mr. Distefano maintained that certain chemicals should be kept on-site for future use. This included nine full vats located in the plating line (previously listed in Table 5), plus the chromic acid vat located in the north exterior area.

During the week of August 24, 1998, U.S. Filter personnel removed liquids from various containers inside the building, but did not remove liquids from the containers contested by Mr. Distefano. The EPA was told by Mr. Distefano's attorneys that a potential buyer for the facility had been found, and produced a letter from this party stating interest in the facility. EPA therefore decided to give Mr. Distefano more time to submit his formal decision regarding the facility.

U.S. Filter brought roll-off bins onto the site to be used to consolidate the various residual sludges encountered in the liquid containers, and to transport RCRA and non-RCRA debris. The decision was made to pump the chromic acid from the north exterior vat into a clean poly tank located in a bermed area in the north bay section of the building.

After completing the initial liquid removal, U.S. Filter personnel consolidated sludges left in the tanks into one of the roll-off bins. U.S. Filter removed the sludge-containing bin on November 9, after allowing the sludges to separate and dry considerably. On this date, the chromic acid solution, which had been relocated to the poly tank inside the building, was removed because the tank appeared to be leaking.

During the week ending November 20, 1998, EPA notified Mr. Distefano's attorneys that the deadline to submit plans for future use of the building would be extended until November 25, 1998. Because Mr. Distefano apparently could not find a buyer for the facility, Geosyntec submitted to EPA a document entitled Task 9 Implementation Plan, dated November 25, 1998, which included plans for removal of the liquids in the nine vats in question in the plating line area (see Attachment F). On December 4, 1998, U.S. Filter completed the removal of all remaining liquids from containers in the plating line area.

After removal of the liquids, some of the containers had large amounts of crystals and sludges remaining. U.S. Filter personnel removed these residues into 55-gallon drums and other small containers for removal and conducted pressure washing and general cleanup during the week of December 11 to December 18, 1998.

On January 14, 1999, U.S. Filter removed the wooden walkways, containers with crystals and sludge, and various other debris. These items had been placed into a roll-off bin for disposal as hazardous wastes. On January 18, 1999, START was on-site to take digital photos of the final "cleaned" state of the vats and containers left on-site. These photos were submitted to EPA for approval.

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A record of all hazardous wastes removed from the site is presented in Table 6. All manifests were signed by J. Sanchez. Manifest copies are included in Attachment B.

Soil Sampling Activities

Prior to the final decision to remove all liquids from the plating line area, Geosyntec submitted to EPA a document entitled Surface and Subsurface Soil Sampling Workplan, dated September 4, 1998, in response to the fifth and sixth tasks required in the UAO (see Vol. II, Attachment D). This document detailed plans for conducting soil sampling and for disposing, stabilizing or treating grossly contaminated soils found at or near the surface. START submitted comments to EPA regarding this plan (see Attachment E). Geosyntec revised the workplan to incorporate required changes, and submitted to EPA a revised Surface and Subsurface Soil Sampling Workplan on October 1, 1998, which EPA accepted (see Vol. II, Attachment E). The EPA had identified Region 9 Preliminary Remediation Goals (PRGs) for industrial property as the target for determining the need for further cleanup at this site. EPA PRGs are risk-based tools which are based on exposure pathways for which generally accepted methods, models and assumptions have been developed (i.e. ingestion, dermal contact, and inhalation) for specific land-use conditions and do not consider impact to groundwater or ecological receptors. They are not intended to be used to determine if a waste is hazardous under RCRA.

On October 22, 1998, Geosyntec initiated soil sampling activities. The process was begun before the final removal of liquids in the plating line area, and before completion of the sludge removal efforts. Strongarm Environmental, contractors for Geosyntec, conducted concrete coring and soil sampling (see Attachment G, Subsurface Soil Sampling Report). Soil samples were submitted to Calscience Environmental Laboratories, Inc. for analysis for metals by EPA Method 6010 and 7471A and pH by EPA Method 9045B. Analytical results indicated that metals were not found in concentrations above the EPA Region 9 PRGs for soils in industrial sites. START submitted comments to EPA regarding the results (see Attachment H), and noted that one sample, BH-19 (0-1'), taken from the exterior bermed area on the northern side of the building, contained nickel at 3,010 mg/Kg, which exceeds the California TTLC of 2,000 mg/Kg. Additionally, several samples contained nickel, copper and zinc concentrations below TTLC values but above Soluble Threshold Limit Concentration values. START noted that this may require further investigation at a later date, depending upon the planned future use of the facility.

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Table 6
Waste Disposal Summary

Date	Shipping Name	Manifest Number	Receiving Facility ¹	Total Quantity	Original Location
08/10/98	RQ, Waste Corrosive Liquid, Acidic, Inorganic, N.O.S. (nitric acid)	98085896	U.S. Filter	4300 gal.	Nitric acid waste back lot
08/10/98	RQ, Waste Corrosive Liquids, N.O.S. (sulfuric acid)	97383947	U.S. Filter	500 gal.	Chelated nickel load - back lot
08/14/98	Hazardous Waste Liquid, N.O.S. (nickel)	97383949	U.S. Filter	1900 gal.	Neutral wastes - back lot
08/14/98	RQ, Waste Corrosive Liquids, N.O.S. (nitric)	97383945	U.S. Filter	3000 gal.	Nitric acid waste back lot
08/17/98	Hazardous Waste, Liquid, N.O.S. (wastewater with cyanide)	97383950	U.S. Filter	1600 gal.	Wastewater w/cyanide - back lot
08/17/98	RQ, Waste Corrosive Liquids, N.O.S. (nitric)	97383946	U.S. Filter	2500 gal.	Nitric acid waste back lot
08/17/98	RQ, Waste Corrosive Liquids, N.O.S. (chrome) RQ, Waste Corrosive Liquids, N.O.S. (HCl) RQ, Waste Corrosive Liquids, N.O.S. (sulfuric)	97383951	U.S. Filter	385 gal. 80 gal. 195 gal.	17 drums, various locations
08/18/98	RQ, Hazardous Waste Solid, N.O.S. (filter cake containing chrome)	97383953	U.S. Filter	19 yd ³ (19 supersack s)	Supersacks stored inside
08/25/98	RQ, Waste Cyanide Solutions	96688986	U.S. Filter	2600 gal.	Cyanide liquid from START vat #s
08/25/98	Non-RCRA Hazardous Waste Liquid	96688985	U.S. Filter	1500 gal.	Non-RCRA liquids-plating line
08/25/98	RQ, Waste Corrosive Liquids, N.O.S. (nitric)	96688984	U.S. Filter	2800 gal.	Nitric wastes-plating line

K. Nelson

Ref. No.:T190199-002

Page 16

Table 6
Waste Disposal Summary

Date	Shipping Name	Manifest Number	Receiving Facility ¹	Total Quantity	Original Location
08/26/98	RQ, Waste Corrosive Liquids, N.O.S. (chrome)	97383948	U.S. Filter	800 gal.	Chrome waste-plating line
08/26/98	RQ, Waste Corrosive Liquids, N.O.S. (sulfuric acid)	96688982	U.S. Filter	800 gal.	Misc. acid-plating line
08/27/98	RQ, Hazardous Waste Liquids, N.O.S. (wastewater containing chrome) RQ, Waste Corrosive Liquids, N.O.S. (sulfuric acid) RQ, Waste Corrosive Liquids, N.O.S. (sodium metabisulfite)	96688987	U.S. Filter	55 gal. 110 gal. 55 gal.	Various drums - wastewater treatment area
08/27/98	Non RCRA Hazardous Waste Liquid (oily water) Waste Combustible Liquid, N.O.S. (methylene chloride) Non RCRA Hazardous Waste Liquid (lab pack) Waste Corrosive Liquid, Basic, Inorganic (sodium hydroxide, lab pack) Waste Flammable Liquid (paint lab pack) Waste Corrosive Liquid, Acidic, Inorganic (lab pack) Non RCRA Hazardous Waste Liquid (oily water)	97383916	ENSCO West	220 gal. 15 gal. 15 gal. 15 gal. 30 gal. 30 gal. 55 gal.	Misc. drums inside
09/01/98	RQ, Hazardous Waste Solids, N.O.S. (filter cake & debris containing chrome & nickel)	97383955	U.S. Filter	35 yd ³	MP roll-off bins
09/09/98	RQ, Waste Corrosive Liquid, N.O.S. (nitric acid)	97383952	U.S. Filter	2500 gal.	Vac. truck of back lot pressure cleaning & aqueous phase of sludge bin solidification

K. Nelson

Ref. No.:T190199-002

Page 17

Table 6
Waste Disposal Summary

Date	Shipping Name	Manifest Number	Receiving Facility ¹	Total Quantity	Original Location
10/08/98	Non RCRA Hazardous Waste Solid (contaminated debris from site cleanup) RQ, Hazardous Waste Solid, N.O.S. (contaminated debris)	96688983	U.S. Filter	40 yd ³ (roll off bin) 40 yd ³ (roll off bin)	Roll-off bins of debris, drums, bins, etc. during cleanup
11/09/98	RQ, Waste Corrosive Liquid, Acidic, Inorganic (chromic acid)	97383917	U.S. Filter	1250 gal.	Leaking chrome tank inside
11/09/98	RQ, Hazardous Waste Solid, N.O.S. (filter cake containing chrome) RQ, Hazardous Waste Solid, N.O.S. (contaminated debris)	96688981	U.S. Filter	20 yd ³ 20 yd ³	2 roll-off bins after solidification
12/01/98	Non RCRA Hazardous Waste Liquid (polymer part B) RQ, Waste Isocyanates, Toxic, N.O.S. (Diphenylmethan-4,4-diisocyanate) RQ, Waste Flammable Liquid (polymer resin)	96690555	ENSCO West	55 gal. 55 gal. 55 gal.	Drums stored in south bay
12/01/98	RQ, Hazardous Waste Solid, N.O.S. (soil & absorbent containing hex chrome) Waste Batteries, WES, filled with acid RQ, Waste Corrosive Liquids, Basic, Inorganic, N.O.S. (anion flocculant) RQ, Hazardous Waste Solid, N.O.S. (soil borings) Non RCRA Hazardous Waste Liquid (decon water)	96690554	U.S. Filter	1200 lb. 100 lb. 30 gal. 400 lb. 55 gal.	Drums and batteries from south bay
12/04/98	RQ, Waste Corrosive Liquids, N.O.S. (waste acid with chrome)	98643877	U.S. Filter	2500 gal.	Liquids from plating line containers

K. Nelson
Ref. No.:T190199-002
Page 18

Table 6
Waste Disposal Summary

Date	Shipping Name	Manifest Number	Receiving Facility ¹	Total Quantity	Original Location
12/04/98	RQ, Waste Corrosive Liquids, N.O.S. (nitric acid)	98643880	U.S. Filter	3000 gal.	"
12/04/98	RQ, Waste Corrosive Liquids, N.O.S. (waste acid copper)	98643879	U.S. Filter	3500 gal.	"
12/07/98	RQ, Hazardous Waste Liquid, N.O.S. (rinse water from facility decon)	98643878	U.S. Filter	1000 gal.	Rinse water from pressure washing plating line
01/14/98	RQ, Waste Corrosive Liquid, N.O.S. (acid copper) Hazardous Waste Liquid, N.O.S. (nickel rinse with chrome)	98643875	U.S. Filter	110 gal. 110 gal.	"
01/14/98	RQ, Hazardous Waste Solids, N.O.S. (debris contaminated with chrome)	98643874	U.S. Filter	40 yd ³ (roll off bin)	Items from plating line-wooden walkways, metal pieces, pipes, plastic, crystals, sludge, small equipment, misc. rubbish

¹Treatment, Storage, and Disposal Facility: U.S. Filter Recovery Services (CAD097030993)
5375 S. Boyle Ave.
Vernon, CA 90058

ENSCO West (CAD044429835)
1737 E. Denni St.
Wilmington, CA 90744

K. Nelson
Ref. No.:T190199-002
Page 19

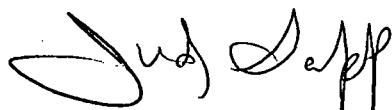
Conclusion

All removal activities at Pomona Plating were completed by January 14, 1999. No future EPA or START involvement is anticipated.

Volume II contains workplans submitted by J. White Laboratory & Company on behalf of J. Sanchez, and Geosyntec Consultants on behalf of D. Distefano.

If you have any questions regarding this report, please do not hesitate to contact this office.

Sincerely,



Judy Sapp
START Member

cc: OSC Lewis
file

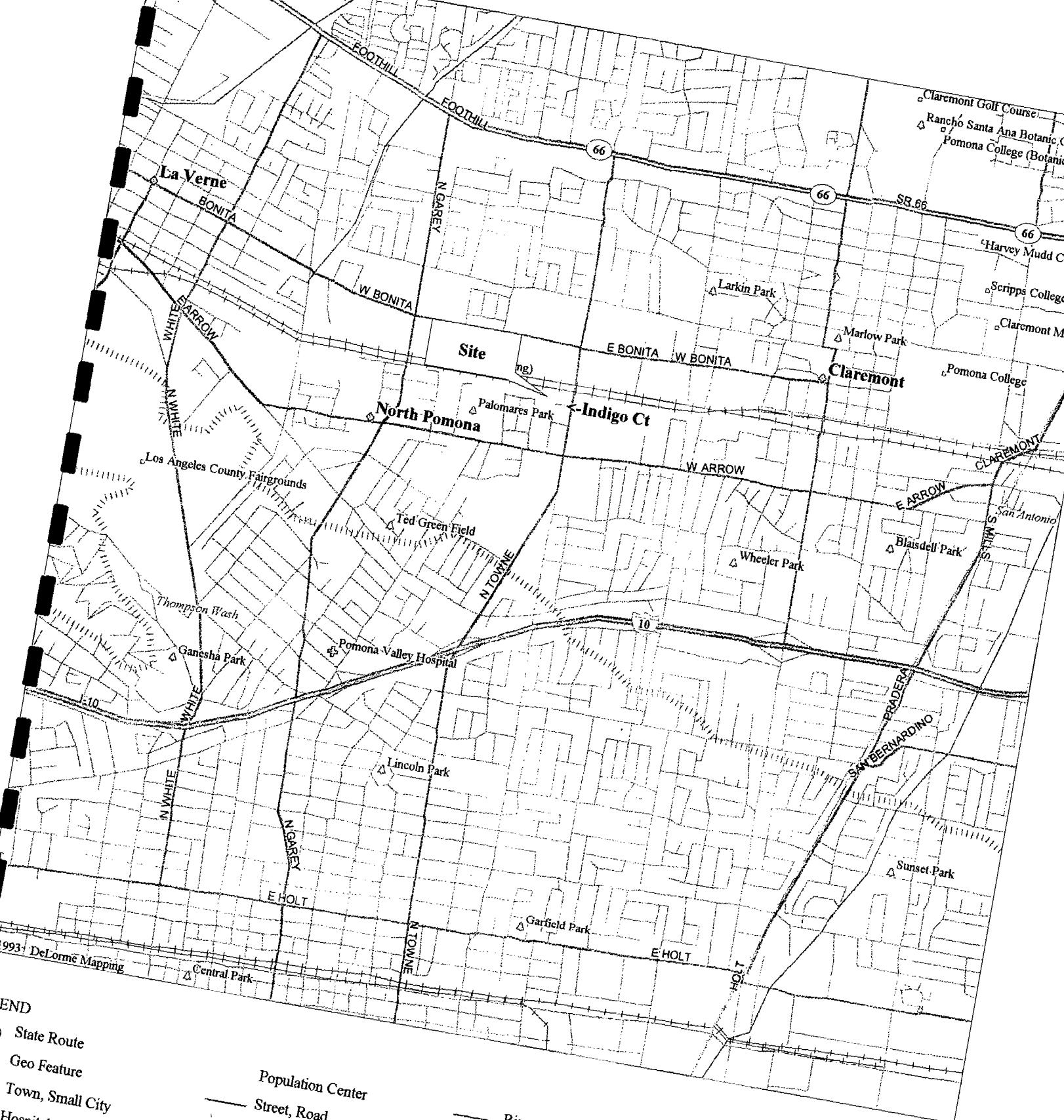


Figure 1: Site Location Map
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Thu Jan 28 12:23:05 1999

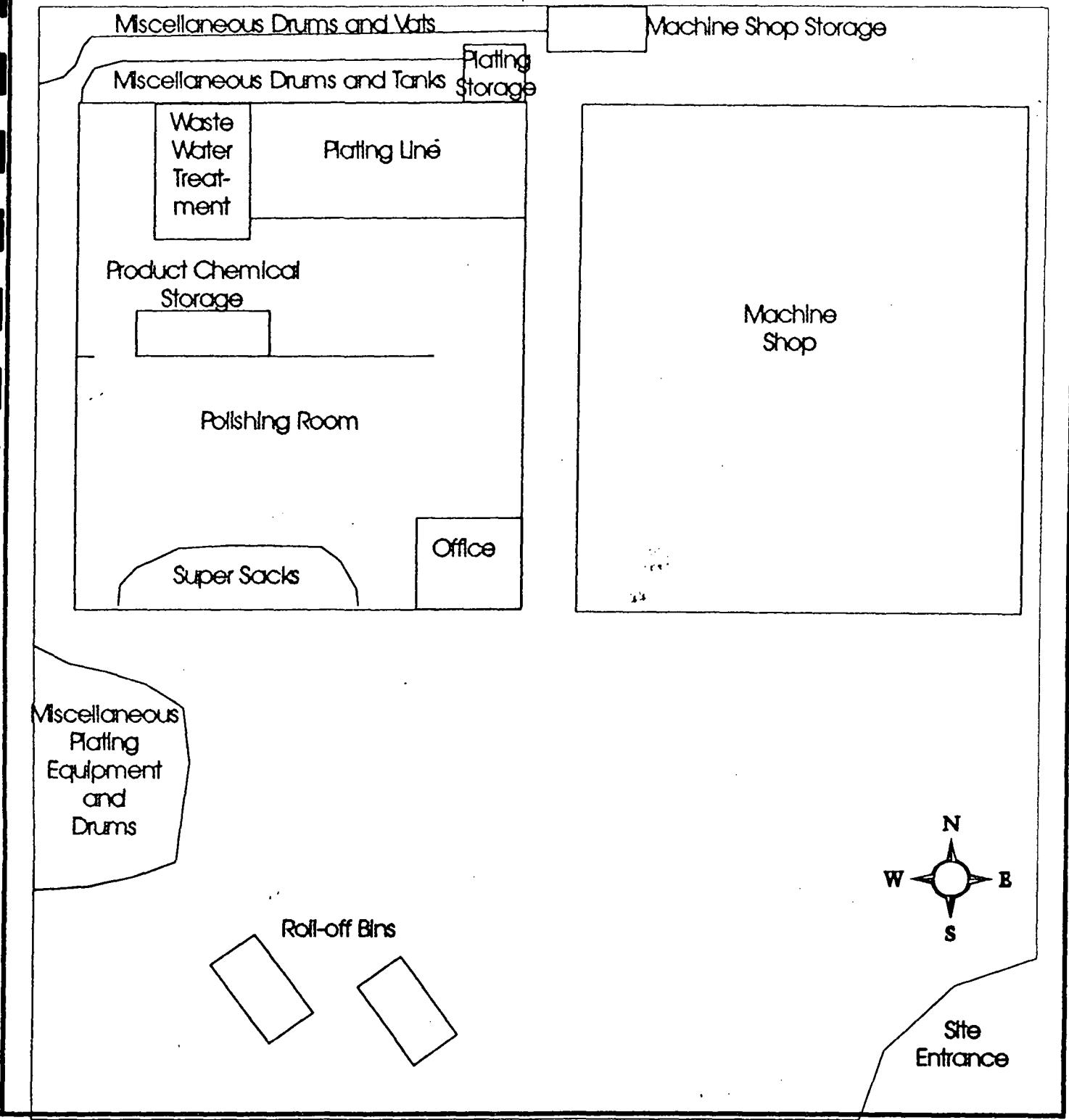
Scale 1:31,250 (at center)
2000 Feet
1000 Meters

993+ DeLorme Mapping

- END
- State Route
- Geo Feature
- Town, Small City
- Hospital
- Park
- Interstate, Turnpike
- County Boundary

- Population Center
- Street, Road
- Hwy Ramp
- Major Street/Road
- Interstate Highway
- State Route
- Railroad
- River
- Contours

Atchison, Topeka and Santa Fe Railway



Ecology and Environment, Inc.

Not To Scale

Figure 2
Site Diagram
Pomona Plating
Pomona, California

Attachment A
Photodocumentation

**Pomona Plating
Pomona, California**

TDD: 09-98-06-0010

PAN: 0327PPRSXX



MP Environmental Roll-Off Bins containing filter cake debris

Photographer: J. Sapp

Date: 7/30/98



View of leaking tank in north exterior area showing liquid in bermed area

Photographer: J. Sapp

Date: 8/10/98

**Pomona Plating
Pomona, California**

TDD: 09-98-06-0010

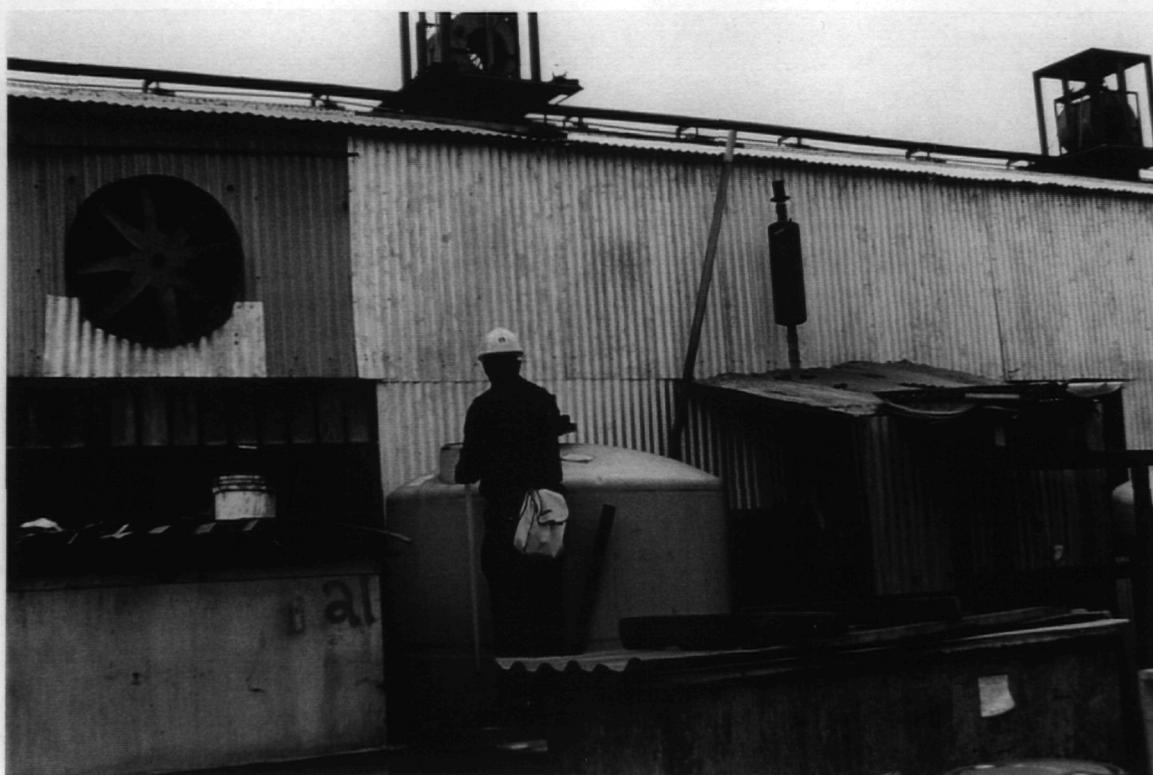
PAN: 0327PPRSXX



Enviroserve personnel pumping liquid from bermed area

Photographer: J. Sapp

Date: 8/10/98



U.S. Filter personnel sampling tank in north exterior area

Photographer: J. Sapp

Date: 8/10/98

**Pomona Plating
Pomona, California**

TDD: 09-98-06-0010

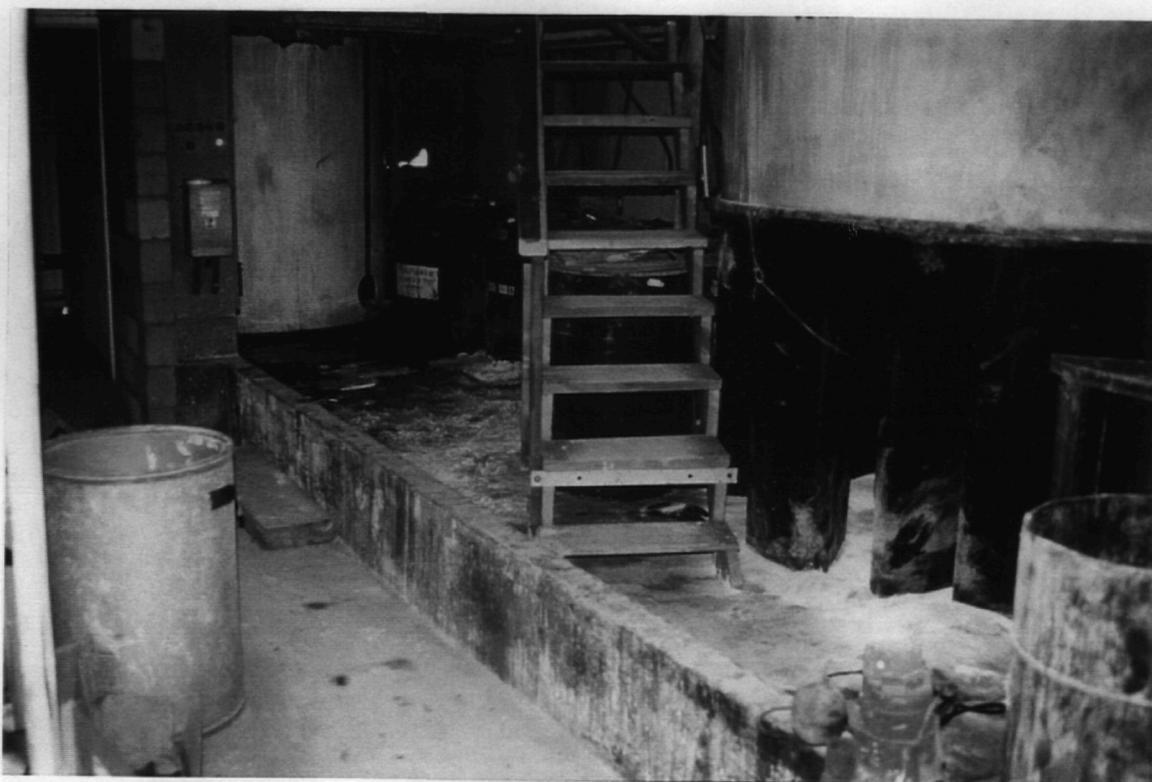
PAN: 0327PPRSXX



Vats and containers in interior plating line area

Photographer: J. Sapp

Date: 7/30/98



View of sludge on floor of wastewater treatment area in north bay

Photographer: J. Sapp

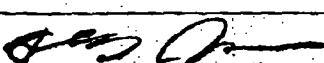
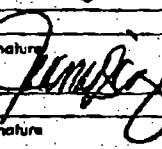
Date: 7/30/98

Attachment B
Hazardous Waste Manifests

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No C A D 9 8 1 9 7 5 1 3 9 8 5 8 9 6	Manifest Document No 8 5 8 9 6	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT POMONA, CA 91767 Generator's Phone (909) 624-2898 323-969-1484 (WT)			A. State Manifest Document Number 98085896		
5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICES C A 0 0 0 0 9 7 0 3 9 2			B. State Generator's ID		
7. Transporter 2 Company Name 8. US EPA ID Number			C. State Transporter's ID		
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVS. 5375 SOUTH BOYLE AVE. LOS ANGELES CA 90058 C A D 0 9 7 0 3 0 9 9 3			D. Transporter's Phone 562-427-7277		
10. US EPA ID Number			E. State Transporter's ID		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. EQ, Waste corrosive liquid, acidic, inorganic, n.o.s., 8, UN3264, PG II (SULFURIC ACID), (D002) (WT)			F. Transporter's Phone 213-277-1500		
b.			12. Containers No	13. Total Quantity	14. Unit Wt/Vol
c.			T	4300	G
d.			T	1	
J. Additional Descriptions for Materials Listed Above 11A. WASTE ACID WITH NICKEL E131400002NI ADDITIONAL STATE CODE 726			K. Handling Codes for Wastes Listed Above a. b. c. d.		
15. Special Handling Instructions and Additional Information EMERGENCY CALL ENVIROSERV 1-562-427-7277 ** BILL TO ENVIRONMENTAL RECOVERY SERVICES USE PROPER SAFETY EQUIPMENT ** EMERGENCY GUIDE# 154 MAILING ADDRESS: MR. DAVID DISTEFANO 572 ESCALANTE DR. IVINS, UT. 84738					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
<p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.</p>					
Printed/Typed Name JESUS SANCHEZ		Signature 		Month Day Year 08/10/98	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Victor Estacion		Signature 		Month Day Year 08/10/98	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

"nitric acid waste back lot"

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIA D 19 811 91 7 5 1 3 9 8 3 9 4 7	Manifest Document No. 1 of 1	2. Page 1	Information in the shaded areas is not required by federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		4. State Monitor Document Number 00000000000000000000000000000000				
4. Generator's Phone # 323-969-1484		5. State Generator's ID 00000000000000000000000000000000				
5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICES		6. US EPA ID Number CIA 10 10 10 19 17 0 3 9 2				
7. Transporter 2 Company Name		8. US EPA ID Number CIA 10 10 10 19 17 0 3 9 2				
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058		10. US EPA ID Number CAD 09 7 0 3 0 9 9 3				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II, (SULFURIC)		12. Containers No. 00	Type T T	13. Total Quantity 00500	14. Unit Wt/Vol G	
b.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOOGLES 11a) ERG# 154 MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-862-427-7277						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name JESUS JAVIER Z		Signature 		Month 08	Day 14	Year 1998
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAN M GOMEZ		Signature 		Month 08	Day 14	Year 1998
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

"Chelated nickel load"
back lot

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

FROM : U S FILTER

213 588 0094

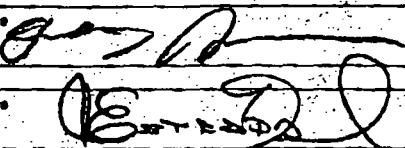
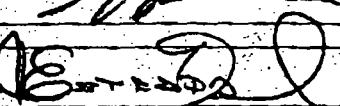
1998-08-19

06:42

#394 P.04/06

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-892-7350

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIA D 19 81 97 51 39	Manifest Document No. 8 3 9 4 9	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		4. Generator's Phone # 323-969-1484				
5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICES		6. US EPA ID Number CA 0 10 0 0 9 7 0 3 9 2				
7. Transporter 2 Company Name		8. US EPA ID Number				
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058		10. US EPA ID Number CA D 0 9 7 0 3 0 9 9 3				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (NICKEL)		12. Containers No. 001	Type T T	13. Total Quantity 1900	14. Unit Wt/Vol G	
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOGGLES 118) ERG# 171 MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277		16. Transporting Codes for Waste Listed Above a. b.				
17. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name JESUS SANCHEZ		Signature 		Month 01	Day 18	Year 1998
18. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name VICTOR OSTRADO		Signature 		Month 01	Day 18	Year 1998
19. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year
20. Discrepancy Indication Space						
Facility Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

*"recycled waters back lot"*Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A D 1 9 1 8 1 1 9 7 5 1 1 3 9	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
<p>3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767</p> <p>4. Generator's Phone # 323-969-1484</p> <p>5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICES</p> <p>6. US EPA ID Number Q A 0 0 0 0 9 1 7 0 3 9 2</p> <p>7. Transporter 2 Company Name</p> <p>8. US EPA ID Number</p>					
<p>9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058</p> <p>10. US EPA ID Number C A D 0 9 7 0 3 0 9 9 3</p>					
<p>11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)</p> <p>a. RQ. WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II, (NITRIC)</p>			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
			0 0 1 T T	13000	G
					EPA/Other
<p>15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOOGLES 11a) ERG#154 MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277</p>			<p>16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.</p> <p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.</p>		
<p>Printed/Typed Name JASPER SANCHEZ</p>			<p>Signature gav</p>		
				Month 0	Day 1
				Month 1	Day 4
				Month 9	Year 1998
<p>17. Transporter 1 Acknowledgement of Receipt of Materials</p> <p>Printed/Typed Name VICENTE ORTEGA</p>			<p>Signature Received Date</p>		
				Month 0	Day 1
				Month 8	Year 1998
<p>18. Transporter 2 Acknowledgement of Receipt of Materials</p> <p>Printed/Typed Name</p>			<p>Signature</p>		
				Month	Day
				Year	
<p>19. Discrepancy Indication Space</p>					
<p>20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.</p> <p>Printed/Typed Name</p>					
<p>Signature</p>					
<p>Month</p>					
<p>Day</p>					
<p>Year</p>					

DO NOT WRITE BELOW THIS LINE.

nitric acid waste back lot"

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

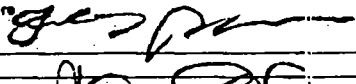
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD 9 8 1 9 7 5 1 3 9 8 3 9 5 0	Manifest Document No. 1	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		A. To Whom Manifest Document Number 9738385 is issued?				
4. Generator's Phone (323) 969-1484		B. Name of Generator's ID 063				
5. Transporter 1 Company Name UNITED DUMPING SERVICE INCORPORATED 072953771 U.S. FILTER RECOVERY SERVICES		C. Name of Transporter's ID 063				
6. US EPA ID Number USGAP-B-B-0-107-03-3-9-2		D. Transporter's Phone (213) 277-7277				
7. Transporter 2 Company Name		E. Name of Transporter's ID 063				
8. US EPA ID Number CAD 0 9 7 0 3 0 9 9 3		F. Transporter's Phone (213) 277-1500				
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058		G. Waste Number State 1: 11726 Type 1: 1 EPA/RCRA 1: 10003				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (D003)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste Number State 1: 11726 Type 1: 1 EPA/RCRA 1: 10003	
		001	T T	01600	G	
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above 118 CHROMIC ACID 63H - E1314000011CNI WASTE WATER WITH CYANIDE		K. Acknowledging Codes for Wastes Listed Above a. b. c. d.				
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOOGLES 118) ERG# 171 MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE, UT 84798 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
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Printed/Typed Name JESUS S. SAMANIEGO		Signature Jesus S. Samaniego		Month 08	Day 17	Year 1998
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Hector Santana		Signature Hector Santana		Month 08	Day 17	Year 1998
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD 881 81751139 81319 416	Manifest Document No. 1 of 1	2. Page 1	Information in the shaded areas is not required by Federal law.																																			
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		4. State Manifest Document Number 197383946																																						
4. Generator's Phone (323) 869-1484		5. State Generator's ID No.																																						
5. Transporter 1 Company Name of SD. CAL ATT WASTE SEQUOVEDA BLUD Carson ENVIRONMENTAL RECOVERY SERVICES P.M. CAD 880 00070332		6. US EPA ID Number																																						
7. Transporter 2 Company Name U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058		7. State Transporter's ID No.																																						
8. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II, (NITRIC)		9. Facility ID No. CAD 097030993 (213) 277-3500																																						
10. Additional Description of Material 11a) NITRIC ACID 10-10-1-E13400007/NI ADDITL CODES D007 726		11. Handing Codes for Wastes Listed Above b c d																																						
12. Containers <table border="1"><tr><td>No.</td><td>Type</td><td>13. Total Quantity</td><td>14. Unit Wt/Vol</td><td colspan="3">15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOOGLES 11a) ERG# 154 MAILING ADDRESS: MR. DAVID DISTEFANDO 572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277</td></tr><tr><td>0011</td><td>T T</td><td>1215100</td><td>G</td><td colspan="3"></td></tr><tr><td>b</td><td></td><td></td><td></td><td colspan="3"></td></tr><tr><td>c</td><td></td><td></td><td></td><td colspan="3"></td></tr><tr><td>d</td><td></td><td></td><td></td><td colspan="3"></td></tr></table>						No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOOGLES 11a) ERG# 154 MAILING ADDRESS: MR. DAVID DISTEFANDO 572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277			0011	T T	1215100	G				b							c							d						
No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOOGLES 11a) ERG# 154 MAILING ADDRESS: MR. DAVID DISTEFANDO 572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277																																				
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Printed/Typed Name JESSE SKELTON		Signature 		Month 08	Day 17	Year 98																																		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Pete McGrath		Signature 		Month 08	Day 17	Year 98																																		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year																																		
19. Discrepancy Indication Space																																								
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month	Day	Year																																		

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIAID 918191751139	Manifest Document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
GENERATOR	3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767	(A) State Manifest Document Number 97383951				
	4. Generator's Phone (323-969-1484)	(B) State Generator's ID				
	5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICES	(C) State Transporter's ID				
	6. US EPA ID Number CA010101917031912	(D) Transporter's Phone (562)427-7277				
	7. Transporter 2 Company Name	(E) State Transporter's ID				
	8. US EPA ID Number	(F) Transporter's Phone				
	9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058	(G) State Facility's ID				
	10. US EPA ID Number CA1D0917030993	(H) Facility's Phone (213) 277-1500				
	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No. 007	Type D F	13. Total Quantity 00385	14. Unit Wt/Vol G	15. Waste Number State 123 EPA/Other D002
	a. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II (CHROME)	000	D F	00080	G	State B92 EPA/Other D002
b. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II (HCL)	004	D F	00195	G	State 792 EPA/Other D002	
c. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II (SULFURIC)					State EPA/Other	
d.						
J. Additional Descriptions for Materials Listed Above: 11a) CAUSTIC #22, 22-1, E131400001JCR 11b) MISC ACID #HOLD, E1314000016CR 11c) SULFURIC #21, E1314000009AC ADD'L CODES: 11a) D007, 723 11b) D007	K. Handling Codes for Wastes Listed Above a. b. c. d.					
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOOGLES 11a-c ERG# 154 MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
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Printed/Typed Name JOEVS SALVATORE	Signature 			Month 08	Day 17	Year 98
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name VICTOR ESTRELLA	Signature 			Month 08	Day 18	Year 98
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature			Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name	Signature			Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
 Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. C A D 9 8 1 9 7 5 1 3 9	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		4. State/Zip Code Document Number 997383930		
4. Generator's Phone # 323-968-1484		5. State Identifier # D Phone # (626) 427-7277		
5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICES		6. US EPA ID Number C A D 0 0 0 9 7 0 3 9 2		
7. Transporter 2 Company Name		8. US EPA ID Number		
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058		10. US EPA ID Number C A D 0 9 7 0 3 0 9 9 3		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) " RQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PG. III, (D007)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
		O 1 A	B A	DR 8 0 1 9 Y C
b.				
c.				
d.				
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOGGLES ERQ#154 MAILING ADDRESS: MR. DAVID DISTEFANDO/572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277		16. Handling Codes for Wastes Listed Above a. b. c. d.		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above as proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		
Printed/Typed Name <i>JESUS SANCHEZ</i>	Signature <i>JESUS SANCHEZ</i>	Month 08	Day 18	Year 98
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name <i>Victor Estrada</i>	Signature <i>Victor Estrada</i>	Month 08	Day 18	Year 98
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name	Signature	Month	Day	Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>Axel Garcia</i>	Signature <i>Axel Garcia</i>	Month 08	Day 31	Year 98

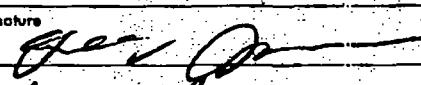
DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
 To: P.O. Box 400, Sacramento, CA 95812-0400

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A D 9 8 1 9 7 5 1 3 9 8 1 9 8 6	Manifest Document No. LA 007295B771	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767 4. Generator's Phone (323) 969-1484 5. Transporter 1 Company Name United Pumping 6. US EPA ID Number LA 007295B771 7. Transporter 2 Company Name 8. US EPA ID Number						
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC 5375 S. BOYLE AVE. VERNON, CA 90058 10. US EPA ID Number LA 101970319913						
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, WASTE CYANIDE SOLUTIONS, N.O.S., 6.1, UN1935, P6, I. (D003)			12. Container No. 1	13. Total Quantity 1	14. Unit Wt/Vol 1	
b. c. d.						
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES 11a) ERG # MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7277			e. Shipping Codes for Waste Shipped Above 11A) LFGOSS CONTAINING CYANIDE #22A + 5 ADDITIONAL STATE CODE 726 Profile # E13140000ZCN			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name JESUS SANCHEZ		Signature 		Month 08	Day 25	Year 1998
17. Transporter 1 Acknowledgement of Receipt of Materials Russell Bachmann		Signature 		Month 08	Day 25	Year 1998
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
19. Discrepancy Indication Space				Month	Day	Year
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 17.		Signature		Month	Day	Year

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIA/D 98197513981819	Manifest Document No. 815	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		4. State Manifest Document Number 36688985						
4. Generator's Phone 323 969-1484		5. State Generator ID 91435						
5. Transporter 1 Company Name Island Environmental		6. US EPA ID Number KAD981376213						
7. Transporter 2 Company Name		8. US EPA ID Number						
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC 5375 S. BOYLE AVE. VERNON, CA 90058		10. US EPA ID Number ICAD1019171031091913						
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste Name Status EPA/Other State EPA/Other State EPA/Other State EPA/Other			
a. NON RCRA HAZARDOUS WASTE LIQUID		10Q11 T 1101500 G						
b.								
c.								
d.								
16. Additional Descriptions for Materials (if applicable) HAZ WASTE WATER PROOF								
17. Handling Codes for Wastes Listed Above a. W104982828								
18. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES 11a) MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7277								
19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.								
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Printed/Typed Name OFPS JANCIE		Signature 		Month 08	Day 25	Year 98		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name OFPS JANCIE		Signature 		Month 08	Day 25	Year 98		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Wesley Howard		Signature 		Month 08	Day 25	Year 98		
19. Discrepancy Indication Space								
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 15.						Month 08	Day 25	Year 98

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A D 9 8 1 9 7 1 3 9 8 1 8 9 8 4	Manifest Document No. 1 of 1	2. Page 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		4. Generator's Mailing Address Number 3608898						
4. Generator's Phone (323) 969-1484		5. Transporter 1 Company Name ALLIANCE OF So. CAL.						
6. US EPA ID Number C A D 9 8 1 6 8 5 8 8 6		7. Transporter 2 Company Name ALLIANCE OF So. CAL.						
8. US EPA ID Number								
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC. 5375 S. BOYLE AVE. VERNON, CA 90058		10. US EPA ID Number b b b b b b b b b b						
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol			
o. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UNIT 160, PG. II (NITR.G)		0	0	1011 T 1 02800	6			
b.		1	1	1	1			
c.		1	1	1	1			
d.		1	1	1	1			
15. Additional Descriptions for Materials Listed Above 11a) NITR.G AC.D #19 ADDITIONAL STATE CODE: T26 EPA CODE: DOOT PROFLTH: E1314 000007112		16. Handling Codes for Wastes Listed Above a b c d						
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES 11a) ERG #M4 MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7277								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.								
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Printed/Typed Name DENNIS SALICOLI		Signature 		Month 08	Day 15	Year 1998		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MARK GOFF		Signature 		Month 08	Day 25	Year 1998		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name JESSE GATSONE		NF	Signature 	NF				
19. Discrepancy Indication Space								
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name						Month	Day	Year

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To: P.O. Box 400, Sacramento, CA 95812-0400

Note: waste plating line

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD 98197513983948	Manifest Document No. 1 of 1	2. Page 1 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT POMONA, CA 91767		State/Mailing Document Number 97383948			
4. Generator's Phone 323-969-1464		3. State Generator's ID 1			
5. Transporter 1 Company Name ALLWASTE OF SO. CAL ENVIRONMENTAL RECOVERY SERVICES INC		6. US EPA ID Number CAD 9816858867 IGA D 0-0-0-9+7-0+3-5+2	7. US EPA ID Number CAD 097030993	8. US EPA ID Number CAD 097030993	9. State Transporter's ID 1
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058		10. US EPA ID Number CAD 097030993	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II, (CHROME)	12. Containers No. Type 0 0 1 T T	13. Total Quantity 0 0 8 0 0
				14. Unit Wt/Vol G	15. Waste Number D002
					State/Local 1
					EPA/Other 1
					State/Local 1
					EPA/Other 1
					State/Local 1
					EPA/Other 1
16. Additional Description for Materials Listed Above 11a) CHROMIC ACID 33A E731400000600 ADDITL CODES:D007, 723, 726		17. Handling Codes for Wastes Listed Above b			
18. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOOGLES 11a) ERG# 154 MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277					
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Printed/Typed Name JESUS SAMUELEZ		Signature Jesus Samuelez		Month Day Year 08 26 98	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Philip Goff		Signature Philip Goff		Month Day Year 08 26 98	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month Day Year	

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To: P.O. Box 400, Sacramento, CA 95812-0400

Dunne waste plating line

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD98197513988982	Manifest Document No. 1 of 1	2. Page 1	Information in the shaded areas is not required by Federal law.															
<p>3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767</p> <p>4. Generator's Phone (323) 969-1484)</p> <p>5. Transporter 1 Company Name ISLAND ENVIRONMENTAL</p> <p>6. US EPA ID Number CAD981376211J</p> <p>7. Transporter 2 Company Name </p> <p>8. US EPA ID Number </p>																				
<p>9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC 5375 S. BOYLE AVE. VERNON, CA 90058</p> <p>10. US EPA ID Number CAD097030993</p>																				
<p>11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG.II (SULFURIC ACID)</p>																				
<table border="1"> <thead> <tr> <th>12. Containers No.</th> <th>13. Total Quantity</th> <th>14. Unit Wt/Vol</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>T/T</td> <td>0081010 G</td> </tr> <tr> <td>b.</td> <td></td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td></td> </tr> <tr> <td>d.</td> <td></td> <td></td> </tr> </tbody> </table>						12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	001	T/T	0081010 G	b.			c.			d.		
12. Containers No.	13. Total Quantity	14. Unit Wt/Vol																		
001	T/T	0081010 G																		
b.																				
c.																				
d.																				
<p>15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES</p> <p>11a) ERG #154 MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7777</p> <p>16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.</p> <p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.</p>																				
Printed/Typed Name DEJOS SANchez		Signature 		Month 08	Day 26	Year 98														
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name J. VARGAS SANchez		Signature 		Month 08	Day 26	Year 98														
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Philip Peoples		Signature 		Month 08	Day 26	Year 98														
19. Discrepancy Indication Space																				
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name						Signature	Month	Day	Year											

DO NOT WRITE BELOW THIS LINE:

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

FROM : U S FILTER

213 588 0094

1998, 08-28

06:29 #563 P.07/09

See INSTRUCTIONS on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A D 9 8 1 9 7 5 1 3 9 8 8 9	Manifest Document No. 8 7 1 of 1	2. Page 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		4. Generator's Phone (323) 969-1484				
5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICE		6. US EPA ID Number C A 0 0 0 0 9 7 0 3 9 2				
7. Transporter 2 Company Name		8. US EPA ID Number				
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC 5375 S. BOYLE AVE. VERNON, CA 90058		10. US EPA ID Number b b b b b b b b b b b b				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste Number	
a. RQ, HAZARDOUS WASTE LIQUIDS, N.O.S., 9, NA3082, PG. III, (D007)		10010 M	00055 G		EPA ID D007	
b. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG. II, (SULFURIC ACID)		10020 F	00110 G		State CA	
c. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG. II (SODIUM METABISULFITE)		10010 F	00155 G		EPA Activity 0003	
d.					State CA	
e. ADDITIONAL DESCRIPTION OF MATERIALS (A) WASTE WATER CONTAINING CIVICOL - HOPPE CYANIDE 10%					State CA	
f. ADDITIONAL DESCRIPTION OF MATERIALS (B) SULFURIC ACID PROFILE E:14000009AC					State CA	
g. ADDITIONAL DESCRIPTION OF MATERIALS (C) SODIUM METABISULFITE PROFILE E:14000019AC - 8%					State CA	
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES		EGL 11A3171 116154 11C154				
MAILING ADDRESS: MR. DAVID DISTEFANO/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7277						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
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Printed/Typed Name JESUS GARCIAZ		Signature 		Month 08	Day 28	Year 1998
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name SILAS Gross		Signature 		Month 08	Day 27	Year 1998
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name SILAS C S.G.		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 17 Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

FROM : U S FILTER

213 588 0094

1998, 08-28 06:31 #563 P. 08/09

PRINT OR TYPE. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D981975139839	Manifest Document No. 16	2. Page 1 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 IND. CO. COURT POMONA, CA. 91767		A. State Manifest Document Number 97383916				
4. Generator's Phone (323) 969-1484		B. State Generator's ID 16				
5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICE		C. State Transporter's ID 16				
6. US EPA ID Number CA 00000000000000000000000000000000		D. Transporter's Phone (323) 969-1484				
7. Transporter 2 Company Name ENVIRONMENTAL RECOVERY SERVICE		E. Facility ID Number 16				
8. Designated Facility Name and Site Address ENSCO WEST 1737 E. DENNI ST. WILMINGTON, CA. 90744		F. Facility Name 16				
9. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. OILY WATER		10. US EPA ID Number CA1D04441L9835	12. Containers No. 164	13. Total Quantity 0 M	14. Unit Wt/Vol 0/0210 6	
b. WASTE COMBUSTABLE LIQUID, N.O.S., 3, NA 1993, PL. III (METHYLENE CHLORIDE)		161	D F	0/0115 6		
c. NON HAZARDOUS WASTE LIQUID (LAB PACK)		161	D F	0/0115 6		
d. WASTE CORROSIVE LIQUID, BASIC, INORGANIC, 8,4326B, P6II (D002) (LAB PACK)		161	D F	0/0115 6		
15. Additional Descriptions (Not Contained Above) (A) OILY WATER PROF. L # 134584 (B) METHYLENE CHLORIDE PROF. L # 134585 (C) NON HAZ LAB PACK P. H. S. # 134585 (D) SOLUW 1405000 LAB PAK - PROF. L # 134585		16. Handling Codes for Wastes Listed Above 16				
15. Special Handling Instructions and Additional Information WEAR APPROPRIATE PPE, GLOVES,						
ERG. # (A) 11A (B) 12B (C) 11C (D) 15H		MAILING ADDRESS: MR. DAVID DISTEFANO 572 ESCALANTE DR, IRVINE, UT 84738				
24 HOUR EMERGENCY CONTACT #: ENVIRON SLRV 562-427-7277						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name SILAS GROSS		Signature Silas Gross		Month 08	Day 24	Year 1998
17. Transporter 1 Acknowledgement of Receipt of Materials SILAS GROSS		Signature Silas Gross		Month 08	Day 24	Year 1998
18. Transporter 2 Acknowledgement of Receipt of Materials SILAS GROSS		Signature Silas Gross		Month 08	Day 24	Year 1998
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name SILAS GROSS		Signature Silas Gross		Month 08	Day 24	Year 1998

DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

**UNIFORM HAZARDOUS
WASTE MANIFEST**
(Continuation Sheet)

21. Generator's US EPA ID No.

Manifest
Document No.

22. Page

Information in the shaded areas is not
required by Federal law.

2

L. State Manifest Document Number

97383916

M. State Generator's ID

N. State Transporter's ID

O. Transporter's Phone **501-437-7377**

P. State Transporter's ID

Q. Transporter's Phone

23. Generator's Name
POMONA PLATING
720 INDIGO CT
POMONA CA 91767

24. Transporter Company Name

ENVIRONMENTAL RECOVERY SERVICE

25. US EPA ID Number

CAV404747d391

26. Transporter Company Name

27. US EPA ID Number

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HM

	29. Containers No	30. Type	31. Total Quantity	32. Unit Wt/Vol	33. Waste No.
a.	001	DF	400.00	6	SST D001
b.	001	DF	400.00	6	SST D001
c.	001	DM	400.00	6	223
d.					
e.					
f.					
g.					
h.					
i.					

S. Additional Descriptions for Materials Listed Above:

(SA) 1A 1B PPG Prod. # 734585
 (SB) 1A 1B PPG Prod. # 734585
 (SC) OLY WATE Prod. # 734585

T. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

WEAR APPROPRIATE PPE (GLOVES
Etc.) (1A) 1B (1B) 1C
N/A

MATERIAL NUMBER: 1A2. D-0312/4-0
 372 LSCALAN-2 REV. 0, UT. 84738

33. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date
JESUS SANCHEZ		08/27/98

34. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date
Sims (GDPSS)		08/27/98

35. Discrepancy Indication Space

GENERATOR

97383975 CALIFORNIA, CALL 1-800-852-7550

CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802

IN CASE OF EMERGENCY OR SPILL,

TRANSPORTER

FACILITY

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1	Information in the shaded areas is not required by Federal law.				
		CAD 918197513983955		of 1					
3. Generator's Name and Mailing Address. POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767									
4. Generator's Phone # 323-869-1484									
5. Transporter 1 Company Name M.P. ENVIRONMENTAL ENVIRONMENTAL RECOVERY SERVICES									
6. US EPA ID Number CAT 000624247 ⑧ CAD 000081703912									
7. Transporter 2 Company Name									
8. US EPA ID Number									
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES(CA) INC 5375 S. BOYLE AVE VERNON, CA 90058									
10. US EPA ID Number CAD 087030983									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Units Wt/Vol					
a. RQ, HAZARDOUS WASTE SOLIDS N.O.S., 9, NA3077, PG. III, (D007)		-12	CM - 1 - 35	Y					
b.									
c.									
d.									
11A) FILTER CAKE & DEBRIS CONTAINING CHROME & NICKEL									
Handling Codes for Waste Listed Above									
a. b.									
c. d.									
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES & GOGGLES ERG# 104 MAILING ADDRESS: MR. DAVID DISTEFANO 572 ESCALANTE DR, IRVINE, UT 84738 EMERGENCY CONTACT: ENVIROSERV 1-562-427-7277									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.									
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; Or, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name JESUS SANchez		Signature 		Month 09	Day 01	Year 1998			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Doug Killian		Signature 		Month 09	Day 01	Year 1998			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name						Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

See Instructions on back of page 6.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD 9 81 97513983942	Manifest Document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.				
3. Generator's Name and Mailing Address. POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767									
4. Generator's Phone: 323-889-1484									
5. Transporter 1 Company Name ENVIRONMENTAL RECOVERY SERVICES		6. US EPA ID Number CAD 000970392							
7. Transporter 2 Company Name		8. US EPA ID Number							
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA), INC 5375 S. BOYLE AVE VERNON, CA 90058									
10. US EPA ID Number CAD 097030993									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol				
a. DANGER NR PO. WAS. & CORROD. LIQUID ACID N.O.S. 8 UN1760 1L D (NICKLE ACID)			0 0 1 T T 0 2 5 0 0	G					
b.									
c.									
d.									
13. Additional Descriptions for Materials Packed Above: 11A) Nitro Acid Small & Large 11B) Dual Zinc Coat 1L (In Case Dose) Profile #: E 1314000113									
14. Loading Dates for Various Loads: b d									
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES&GOGGLES EROS 184 MAILING ADDRESS: MR. DAVID DISTEFANO 872 ESCALANTE DR, IRVINE, UT 84730 EMERGENCY CONTACT: ENVIROSERV 1-882-427-7277									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.									
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Printed/Typed Name JESUS GALLARDO		Signature 		Month 09	Day 09	Year 98			
17. Transporter 1 Acknowledgement of Receipt of Materials Darlene Parker						Signature 	Month 07	Day 05	Year 98
18. Transporter 2 Acknowledgement of Receipt of Materials 						Signature 	Month 	Day 	Year
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. 						Signature 	Month 	Day 	Year

DO NOT WRITE BELOW THIS LINE.

Vac. truck of back-lot pressure cleaning +
 "ageous" phase of sludge bin solidification
 process.

FROM : U S FILTER

213 588 0094

1998, 10-12

07:51

#190 P.02/02

See INSTRUCTIONS on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A D 9 8 1 9 7 5 1 3 9	Manifest Document No. 8 8 9 8 3	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.																
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767																					
4. Generator's Phone (323 969-1484)																					
5. Transporter 1 Company Name 6. US EPA ID Number																					
7. Transporter 2 Company Name 8. US EPA ID Number																					
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC 5375 S. BOYLE AVE. VERNON, CA 90058 10. US EPA ID Number C A D 0 9 7 0 3 0 9 0 1																					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)																					
<table border="1"> <tr> <td>a. CONTAMINATED DEBRIS "NON RCRA HAZARDOUS WASTE SOLID"</td> <td>12. Containers No. D 1</td> <td>13. Total Quantity</td> <td>14. Unit Wt/Vol</td> </tr> <tr> <td>b. RQ. HAZARDOUS WASTE SOLID, NO0088, 9, NA3077, PG. III (D007)</td> <td>C M 0 0 8 4 0</td> <td>D 0 1 C M 0 0 8 4 0</td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>d.</td> <td></td> <td></td> <td></td> </tr> </table>						a. CONTAMINATED DEBRIS "NON RCRA HAZARDOUS WASTE SOLID"	12. Containers No. D 1	13. Total Quantity	14. Unit Wt/Vol	b. RQ. HAZARDOUS WASTE SOLID, NO0088, 9, NA3077, PG. III (D007)	C M 0 0 8 4 0	D 0 1 C M 0 0 8 4 0		c.				d.			
a. CONTAMINATED DEBRIS "NON RCRA HAZARDOUS WASTE SOLID"	12. Containers No. D 1	13. Total Quantity	14. Unit Wt/Vol																		
b. RQ. HAZARDOUS WASTE SOLID, NO0088, 9, NA3077, PG. III (D007)	C M 0 0 8 4 0	D 0 1 C M 0 0 8 4 0																			
c.																					
d.																					
<table border="1"> <tr> <td colspan="2">11A) CONTAMINATED DEBRIS FROM SITE CLEAN UP PROFILE # E131400028</td> <td>15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES 11a) ERG # MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7277</td> <td>K. Handling Codes for Waste Listed Above a. b. c. d.</td> </tr> </table>						11A) CONTAMINATED DEBRIS FROM SITE CLEAN UP PROFILE # E131400028		15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES 11a) ERG # MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7277	K. Handling Codes for Waste Listed Above a. b. c. d.												
11A) CONTAMINATED DEBRIS FROM SITE CLEAN UP PROFILE # E131400028		15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES 11a) ERG # MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7277	K. Handling Codes for Waste Listed Above a. b. c. d.																		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.																					
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Printed/Typed Name MR. DAVID DISTEFAND		Signature 		Month 10	Day 03	Year 98															
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID DISTEFAND		Signature 		Month 10	Day 08	Year 98															
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year															
19. Discrepancy Indication Space																					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																					
Printed/Typed Name		Signature		Month	Day	Year															

DO NOT WRITE BELOW THIS LINE.

The 2 40 yd³ bins one RCRA, the other non-RCRA, composed
of debris, drums,kins,etc during cleanup.

FROM : U S FILTER

Form Approved UMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

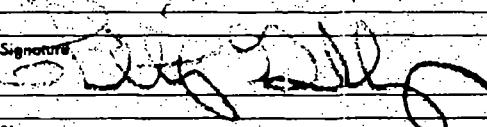
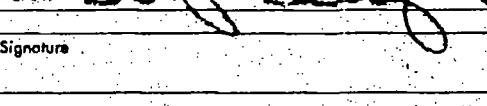
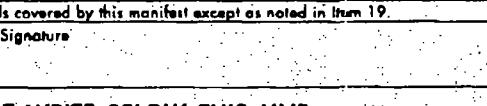
213 588 0094

1998, 11-10

13:01 #658 P. 02/03

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD98198513983917	Manifest Document No. 1 of 1	2. Page 1 Information in the shaded areas is not required by Federal law.
<p>3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT POMONA, CA 91767</p> <p>4. Generator's Phone (323) 969-1484</p> <p>5. Transporter 1 Company Name OC VACUUM INC CATT 0969432253</p> <p>7. Transporter 2 Company Name U.S. FILTRATION SERVICES 5375 S. BOYLE AVE. LOS ANGELES, CA 90058 CAD097030913</p> <p>8. US EPA ID Number</p>				
<p>9. Designated Facility Name and Site Address U.S. FILTRATION SERVICES 5375 S. BOYLE AVE. LOS ANGELES, CA 90058 CAD097030913</p> <p>10. US EPA ID Number</p>				
<p>11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)</p> <p>a. RC WASTE CORROSION LTBD, ACID, INHALABLES UN3264, PG. II (D002)</p>		12. Containers No. 001	13. Total Quantity TT01250	14. Unit Wt/Vol 6
<p>b.</p>				
<p>c.</p>				
<p>d.</p>				
<p>15. Special Handling Instructions and Additional Information WEAR APPROPRIATE PPE WHEN HANDLING ERGONIC Book #: 154 24 Hour Emergency Contact: 800-255-3914 (CHEM-TEL) RLI: USPIRCA</p> <p>MAILING ADDRESS: MR DAVID DTSTEFANO 572 ESCALANTE DR TRENTON, NJ 08738</p>				
<p>16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.</p> <p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.</p>				
Printed/Typed Name David D. Stefano		Signature 		Month 11 Day 01 Year 1998
<p>17. Transporter 1 Acknowledgement of Receipt of Materials PHILLIP GALLAGHER </p>				
<p>18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name </p>				
<p>19. Discrepancy Indication Space</p>				
<p>20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.</p> <p>Printed/Typed Name DTSC B022A (4/97)</p>				
Signature 				Month 11 Day 09 Year 1998

DO NOT WRITE BELOW THIS LINE.

leaking chrome tank

IN CASE OF EMERGENCY OR SPILL: CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550.

GENERATOR

TRANSPORTER

FACILITY

Yellow: GENERATOR RETAINS

Please print or type. Form designed for use on elite (12-pitch) typewriter.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1	Information in the shaded areas is not required by Federal law.	
		C A D 9 8 1 9 7 5 1 3 9		1 of 1		
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767						
4. Generator's Phone 323 969-1484						
5. Transporter 1 Company Name		6. US EPA ID Number ALLWASTE OF SO. CAL C A D 9 8 1 6 0 5 8 8 6				
7. Transporter 2 Company Name		8. US EPA ID Number				
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC 5375 S. BOYLE AVE. VERNON, CA 90058		10. US EPA ID Number C A D 0 0 9 7 0 3 0 0				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	
a. RQ, HAZARDOUS WASTE SOLIDS N.O.S., 9, NA3077, PG. III (D007)		001	CM	00020	Y	
b. RQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PG. III, (D007)		001	CM	00020	Y	
c.						
d.						
e. Additional Descriptions for Materials Listed Above 11A) FILTER CAKE CONTAINING CHROME E131400004G2 HYD 1.2 11B) CONTAMINATED DEBRIS E1314000026 - (HYD 13)		f. Handling Codes for Waste Listed Above a. b. c. d.				
15. Special Handling Instructions and Additional Information: WEAR PROPER PROTECTIVE CLOTHING, GLOVES, GOGGLES 11a) MAILING ADDRESS: MR. DAVID DISTEFAND/572 ESCALANTE DR, IRVINE UT 84738 EMERGENCY CONTACT : ENVIROSERV 1-562-427-7277						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name JESUS SANCHEZ		Signature 		Month 11	Day 09	Year 1998
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name PHILLIP GOTF		Signature 		Month 11	Day 07	Year 1998
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

2 solidified bins finally!

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD98197513990555	Manifest Document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT POMONA, CA. 91767		4. Generator's Phone (323) 969-1484				
5. Transporter 1 Company Name HAZARDOUS WASTE TRANSPORTATION SERVICES INC		US EPA ID Number CAD2181446156				
7. Transporter 2 Company Name		8. US EPA ID Number				
9. Designated Facility Name and Site Address ENSCO WEST 1737 E. DENNI ST. WILMINGTON, CA. 90744		10. US EPA ID Number CAD044429835				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Q1 Type D M	13. Total Quantity Q1055 G	14. Unit Wt/Vol		
a. POLYMER PART B NON RCRA HAZARDOUS WASTE LIQUID						
b. RQ, WASTE ISOCYANATES, TOXIC, N.O.S., 6.1, UN2206, PG. II (DIPHENYLMETHANE-4,4-DIISOCYANTE)						
c. RQ, WASTE FLAMABLE LIQUID, 3, UN1993, PG. II (POLYESTER RESIN)						
d.						
f. Additional Description for Materials Listed Above 11A) POLYMER PART B PROFILE # 734589 11B) POLYMER PART A PROFILE # 734586 11C) POLYESTER RESIN PROFILE # 734588		g. Handling Codes for Wastes Listed Above a. Q1055 G b. c. d.				
15. Special Handling Instructions and Additional Information WEAR APPROPRIATE PPE WHEN HANDLING ER GUIDE BOOK #: 11A) N/A 11B) 155 11C) 128 24 HOUR EMERGENCY CONTACT #: CHEM TEL, 800-255-3924, REF: USFRSCA IRVINE, UT. 84738		MAILING ADDRESS: MR. DAVID DISTEFANO 372 ESCALANTE DR.				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
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Printed/Typed Name JESUS ESTEVEZ		Signature 80-00-		Month 1	Day 20	Year 1998
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name STEVIE BACHMAN		Signature Stevie Bachman		Month 1	Day 20	Year 1998
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

Please print or type. Form designed for use on an elite (12-pitch) typewriter.

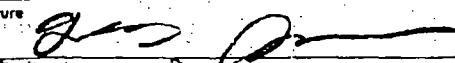
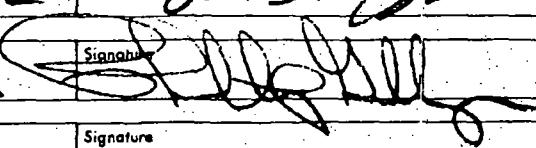
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A D 9 8 1 9 7 9 1 3 9 6 9 0 5 1 3 1 2	Manifest Document No.	2. Page 1 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT POMONA, CA. 91767						
4. Generator's Phone (323) 969-1484						
5. Transporter 1 Company Name: TRANSPORTATION SERVICES INC. US EPA ID Number: C A D 9 8 1 4 4 6 1 5 6						
6. Transporter 2 Company Name: U.S. FILTER RECOVERY SERVICES US EPA ID Number: C A D 0 9 7 0 3 0 9 9 3						
7. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES 5375 S. BOYLE AVE. LOS ANGELES, CA. 90058 US EPA ID Number: C A D 0 9 7 0 3 0 9 9 3						
8. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No.: 00	13. Total Quantity: 00030	14. Unit Wt/Vol: 117.00 P	
a. RQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PG. III (D007)			10. US EPA ID Number: 00301M	11. C W D 0 0 1 0 0	P	
b. WASTE BATTERIES, WES, FILLED WITH ACID, 8, UN2794, PG. III, (D002)			12. Containers No.: 001	13. Total Quantity: 00030	P	
c. RQ, WASTE CORROSIVE LIQUIDS, BASIC, INORGANIC, N.O.S., 8, UN3262, PG. III, (D002)			12. Containers No.: 001	13. Total Quantity: 00030	G	
d. BQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PG. III, (D007)			12. Containers No.: 001	13. Total Quantity: 000400	P	
J. Additional Descriptions for Materials Listed Above: 11A) SOIL & ABSORBENT CONTAINING HEX CHROME E1314000027 11B) CAR BATTERIES E1314000030 11C) ANIONIC FLOCCULANT E1314000029AK 11D) SOIL BORINGS E1314000025						
K. Handling Codes for Wastes Listed Above: a. b. c. d.						
15. Special Handling Instructions and Additional Information WEAR APPROPRIATE PPE WHEN HANDLING ER GUIDE BOOK #: 11A) 171 11B) 154 11C) 154 11D) 171 24 Hour Emergency Contact #: Chem Tel, 800-255-3924 Ref: USFRSCA						
Mailing Address: Mr. David Destefano 572 Escalante Dr. Irvine, CA 92738						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name: David Destefano		Signature: 12/01/98		Month: 12	Day: 01	Year: 1998
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name: STEVE BACHMAN		Signature: Steve Bachman		Month: 12	Day: 01	Year: 1998
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name:		Signature:		Month:	Day:	Year:
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name:		Signature:		Month:	Day:	Year:

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST <i>(Continuation Sheet)</i>		21. Generator's US EPA ID No:	Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.
		C A D 9 8 1 9 7 5 1 3 9 6 9 0 5 5		2	
23. Generator's Name POMONA PLATING 720 INDIGO COURT POMONA, CA. 91767		1. State Manifest Document Number			
		2. State Generator's ID			
24. Transporter <u>1</u> Company Name		3. State Transporter's ID			
T D R TRANSPORTATION INC.		4. Transporter's Phone			
26. Transporter Company Name		5. State Transporter's ID			
		6. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		29. Containers	30. Total Quantity	31. Unit Wt/Vol	32. Waste No.
a.	DECON WATER NON RCRA HAZARDOUS WASTE LIQUID	No	Type	Wt/Vol	133 E/W
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
j.					
S. Additional Descriptions for Materials Listed Above		T. Handling Codes for Wastes Listed Above			
28A) DECON WATER PROFILE # E131400002EAQ					

32. Special Handling Instructions and Additional Information

TRANSPORTER	33. Transporter Acknowledgement of Receipt of Materials		Date
	Printed/Typed Name <i>JOEVS INC/LLC</i>	Signature <i>John J. De</i>	Month Day Year
FACILITY	34. Transporter Acknowledgement of Receipt of Materials		Date
	Printed/Typed Name <i>T D R TRANSPORTATION INC.</i>	Signature <i>John De</i>	Month Day Year
35. Discrepancy Indication Space			

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A D 9 8 1 9 7 5 1 3 9	Manifest Document No. 4 3 1 8 7 7	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
<p>POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767 323 969-14484</p> <p>5. Transporter 1 Company Name O C VACUUM INC CAT#D03225B</p> <p>7. Transporter 2 Company Name U.S. FILTER RECOVERY SERVICES (CA) INC.</p> <p>9. Destination Facility Name and SIC 5375 S. BOYLE AVE LOS ANGELES, CA 90058</p> <p>10. US EPA ID Number C A D 0 9 7 0 3 0 9 9 3</p>					
<p>11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)</p> <p>a. RQ, WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG. II, (D007D)</p> <p>b.</p> <p>c.</p> <p>d.</p>		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Val	
			8 0 1 1 7 1 0 2 5 0 0 6		
<p>f. Additional Descriptions for Materials listed above</p> <p>WIA) WASTE ACID WITH CHROME ADDITIONAL EPA CODE: D002, STATE CODE: 723, 726 PROFILE #: E1314000018NC</p>					
<p>15. Emergency Protective Clothing, Gloves & Goggles ERG(11a), 15, 1b), 11c), 11d)</p> <p>Mailing Address: Mr. David DeSerrano 572 Escalante Dr., Indio, UT 84738</p> <p>EMERGENCY CONTACT: CHEM-TEL (800) 255-3824 REF: USFRSCA</p>					
<p>16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.</p> <p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of wastes generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.</p>					
Printed/Typed Name: JESUS SANCHEZ		Signature 	Month Day Year 12 0 4 19 98		
<p>17. Transporter 1 Acknowledgement of Receipt of Materials</p> <p>Printed/Typed Name: Phillip Gallegos </p>					
		Signature 	Month Day Year 12 0 5 19 98		
<p>18. Transporter 2 Acknowledgement of Receipt of Materials</p> <p>Printed/Typed Name</p>					
		Signature	Month Day Year		
<p>19. Discrepancy Indication Space</p>					
<p>20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.</p> <p>Printed/Typed Name</p>					
		Signature	Month Day Year		

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1	Information in the shaded areas is not required by Federal law.	
		C A D 9 8 1 9 7 5 1 3 9	4 1 3 8 8 8 0	1 of 1		
POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767 4. Generator's Phone (323) 969-14484						
3. Generator's Name and Mailing Address		6. US EPA ID Number				
<i>B.C. VACUUM INC.</i>		<i>C A T 0 8 0 0 3 2 2 5 3</i>				
7. Transporter 2 Company Name		B. US EPA ID Number				
9. Designated Facility Name and Site Address		10. US EPA ID Number				
U.S. FILTER RECOVERY SERVICES (CA) INC. 5375 S. BOYLE AVE LOS ANGELES, CA 90058		C A D 0 9 7 0 3 0 9 9 3				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Container(s) No. Type	13. Total Quantity	14. Unit Wt/Vol		
a. RQ. WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG. II, (NITRIC ACID)		0 0 1 T T	03000	G		
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above 11A) WASTE NITRIC ACID #19 ADDITIONAL EPA CODE: D007 PROFILE #: E131400007NI						
K. Shipping Codes for Materials Listed Above a. b. c. d.						
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES & GOOGLES ERG#11a) 1541b) 11c) 11d) Mailing Address: Mr. David Destafano-572 Escalante Dr., Irwindale, CA 91738 EMERGENCY CONTACT: CHEM-TEL (800) 255-3824 REF: USFRSCA						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
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Printed/Typed Name		Signature		Month	Day	Year
<i>JESUS SANCHEZ</i>		<i>[Signature]</i>		1	20	4 1988
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month	Day	Year
<i>Ray Aguilar Sr.</i>		<i>[Signature]</i>		1	20	4 1988
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas
is not required by Federal law.

3. Generator's Mail Address

POMONA PLATING
720 INDIGO COURT, POMONA, CA 91767
323 , 969-14484

4. Generator's Phone

5. Transporter 1 Company Name

Ocean Blue Env.

6. US EPA ID Number

7. US EPA ID Number

8. US EPA ID Number

9. Designated Facility Name and Site Address

U.S. FILTER RECOVERY SERVICES (CA) INC.
5375 S. BOYLE AVE
LOS ANGELES, CA 90058

10. US EPA ID Number

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

a.
RQ, WASTE CORROSIVE LIQUIDS, N.O.S.,
8, UN1760, PG. II (D002)

12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
1	03500	G

13. Additional Descriptions for Materials Listed Above

11A) WASTE ACID COPPER
ADDITIONAL EPA CODE: D008 STATE CODE: 726
PROFILE #: E1314000024NI

15. Additional Descriptions for Materials Listed Above

a	b
c	d

15. Emergency Protective Equipment

ERG#11a) 151b) 11c) 11d)
Meeting Address: Mr. David Destefano-372 Escalante Dr., Irving, UT 84736

EMERGENCY CONTACT: CHEM-TEL (800) 255-3824 REF: USERSRA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled; and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name

JESSE SANCHEZ

Signature

Month Day Year

12 04 98

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

TYLA K. KELLY

Signature

Month Day Year

12 04 98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Month Day Year

DO NOT WRITE BELOW THIS LINE:

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A D 9 8 1 9 7 5 1 3 9 4 3 8 7 8	Manifest Document No. 1 of 1	2. Page 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767						
4. Generator's Phone (323) 969-14484						
5. Transporter 1 Company Name Ocean Blue Envir.		6. US EPA ID Number C A D 9 8 3 6 0 8 2 5 8				
7. Transporter 2 Company Name		8. US EPA ID Number				
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC. 5375 S. BOYLE AVE LOS ANGELES, CA 90038						
10. US EPA ID Number C A D 0 9 7 0 3 0 9 9 3		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Weight/Liquid	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. RQ, HAZARDOUS WASTE Liquid, N.O.S., 9, NA 3082, PG. III, (D007)		Q P I T T 0 1 0 0 0 G				
b.						
c.						
d.						
11. Additional Descriptions for Materials Listed Above 11a) RINSE WATER FROM FACILITY DECON						
11b) PROFILE #: E1314000031NI						
11c) WEAR PROPER PROTECTIVE CLOTHING, GLOVES & GOGGLES ERG (11a) 17/11b) 11c) 11d) Mailing Address: Mr. David DeStefano-572 Escalante Dr., Irvine, UT 84738 EMERGENCY CONTACT: CHEM-TEL (800) 255-3824/REF: USFRSCA						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
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Printed/Typed Name JESUS SAUCER		Signature 		Month 1	Day 20	Year 1998
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name TRULY		Signature 		Month 12	Day 07	Year 1998
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

State of California—Environmental Protection Agency
 Form Approved OMB No. 2050-0039 [Expires 9-30-99]
 Please print or type. Form designed for use on a 8½" x 11" 12-pitch typewriter.

See Instructions on back of page 6.

 Department of Toxic Substances Control
 Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD09197513041318	Manifest Document No. 715	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767		A. State Manifest Document Number 98643875				
4. Generator's Phone 323 969-14484		B. State Generator's ID				
5. Transporter 1 Company Name U.S. FILTER RECOVERY SERVICES INC.		C. State Transporter's ID				
6. US EPA ID Number CAD09197513041318		D. Transporter's Phone (323) 277-1500				
7. Transporter 2 Company Name		E. State Transporter's ID				
8. US EPA ID Number		F. Transporter's Phone				
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC. 5375 S. BOYLE AVE LOS ANGELES, CA 90058		G. State Facility's ID				
10. US EPA ID Number CAD09197513041318		H. Facility's Phone (323) 277-1500				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number	
a. RQ, WASTE CORROSVIC L QUID, N.O.S.					State 791-736	
b. VHN160 P6 II (D003)					EPA/Other D001 D003	
c. HAZARDOUS WASTE LIQUID, N.O.S.					State 726	
d. VHN160 P6 III (D007)					EPA/Other D007	
e.					State	
f.					EPA/Other	
g.					State	
h.					EPA/Other	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
11a) AC D COPPER E1314000024NI		a.				
11b) AC D CTR R 15% ULTRACONE E1314000015NI		b.				
15. Special Handling Instructions and Additional Information NEAR PROPER PROTECTIVE CLOTHING, GLOVES & GOGGLES ERG#11a)154 11b)171 11c) 11d) Mailing Address: Mr. David Destefano-572 Escalante Dr., Irvine, UT 84739 EMERGENCY CONTACT: CHEM-TEL (300) 255-3824 REF: USFRSCA		c.				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		d.				
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name JAMES JANKEE		Signature J. Jankee		Month 01	Day 14	Year 1999
T R A N S P O R T E R		17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name JAMES JANKEE		Signature J. Jankee		Month 01	Day 14	Year 1999
T R A N S P O R T E R		18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name JAMES JANKEE		Signature J. Jankee		Month 01	Day 14	Year 1999
F A C I L I T Y		19. Discrepancy Indication Space				
F A C I L I T Y		20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name	Signature	Month Day Year

DO NOT WRITE BELOW THIS LINE.

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

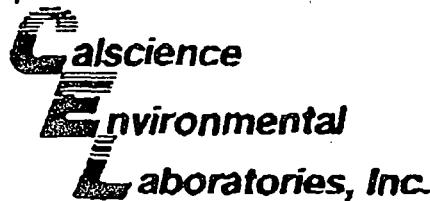
See Instructions on back of page 6.

Department of Environmental Control
Sacramento, California
Information in the spaces below
is not required to be completed.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the spaces below is not required to be completed.	
3. Generator's Name and Mailing Address POMONA PLATING 720 INDIGO COURT, POMONA, CA 91767 4. Generator's Phone (323) 969-14484		C A D I S E 1 1 8 F 6 1 1 3 1 9 4 1 3 1 8	7 1 4			
5. Transporter 1 Company Name CHURN BLUE ENV-SURS		6. US EPA ID Number C H U R N B L U E E N V - S U R S 1 1 0 K 1 8 3 1 6 0 8 1 2 5 1 8		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (562) 621-4120		
9. Designated Facility Name and Site Address U.S. FILTER RECOVERY SERVICES (CA) INC. 5375 S. BOYLE AVE LOS ANGELES, CA 90058		10. US EPA ID Number G A D I 0 9 7 1 0 3 0 9 9 3		E. State Transporter's ID		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number	
a. RQ, HAZARDOUS WASTE SOL'S, N.D.S. 7. N13077 PG II (D007)		Q1011 CMA 3 3 5 8 4 1 0		Y	State 181 EPA/Other 0007	
b.		1 1	1 1 1		State EPA/Other	
c.		1 1	1 1 1		State EPA/Other	
d.		1 1	1 1 1		State EPA/Other	
J. Additional Descriptions for Materials Listed Above 11A) DEGR CONTAMINATED W/T CHROME PROFLR # E1314 D00026				K. Handling Codes for Wastes Listed Above a. b. c. d.		
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING, GLOVES & GOGGLES ERG# 11a) 11b) 11c) 11d) Mailing Address: Mr. David Destefano-572 Escalante Dr., Irene, UT 84738 EMERGENCY CONTACT: CHEM-TEL (800) 255-3924 REF: USFRSCA						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name JESSE SKOLICKI		Signature <i>[Signature]</i>		Month 01	Day 14	Year 1999
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MANUEL DIAZ TORRE		Signature <i>[Signature]</i>		Month 01	Day 14	Year 1999
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

Attachment C
Laboratory Analytical Data



August 07, 1998

Sylvia Wamik
GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Subject: Calscience Work Order Number: 98-07-0844
Client Reference: Pomona Plating

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 07/31/98 and analyzed in accordance with the attached chain-of-custody.

The results in this analytical report are limited to the samples tested, and any reproduction of this report must be made in its entirety.

If you have any questions regarding this report, require sampling supplies or field services, or information on our analytical services, please feel free to call me at (714) 895-5494.

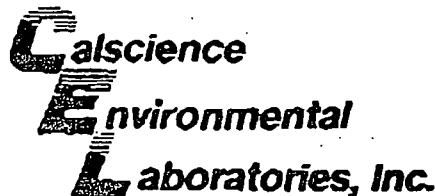
Sincerely,

A handwritten signature in black ink that reads "Don Burley".

Calscience Environmental
Laboratories, Inc.
Don Burley
Project Manager

A handwritten signature in black ink that reads "William H. Christensen".

William H. Christensen
Deliverables Manager



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 07/31/98

Attn: Sylvia Warnik
RE: Pomona Plating

Work Order No.: 98-07-0844
Method: EPA 9045B
Page 1 of 1

All values are reported in pH units.

<u>Sample Number</u>	<u>pH</u>	<u>Reporting Limit</u>
BS-98211-01	4.74	0.01
BS-98211-02	5.55	0.01
BS-98211-03	3.92	0.01
BS-98211-04	6.31	0.01
BS-98211-05	4.82	0.01
BS-98211-06	2.33	0.01
BS-98211-07	6.61	0.01
BS-98211-08	4.47	0.01
BS-98211-09	4.20	0.01
BS-98211-10	6.65	0.01

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Attn: Sylvia Wamik
RE: Pomona Plating

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Digested: 08/04/98
Date Analyzed: 08/04/98
Work Order No.: 98-07-0844
Method: EPA 7471A
Page 1 of 1

All concentrations are reported in mg/kg (ppm). Analyses for mercury were conducted on a total digestion.

<u>Sample Number</u>	<u>Mercury Concentration</u>	<u>Reporting Limit</u>
BS-98211-01	ND	0.25
BS-98211-02	ND	0.25
BS-98211-03	ND	0.25
BS-98211-04	ND	0.25
BS-98211-06	0.84	0.25
BS-98211-07	ND	0.25
BS-98211-08	ND	0.25
BS-98211-09	13.7	0.25
Method Blank	ND	0.25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Digested: 08/04/98
Date Analyzed: 08/05/98
Work Order No.: 98-07-0844

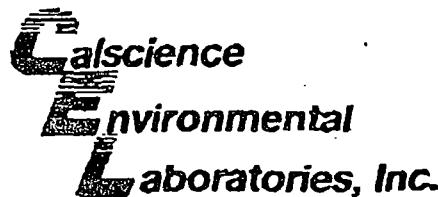
Attn: Sylvia Warnik
RE: Pomona Plating

Page 1 of 2

All concentrations are reported in $\mu\text{g}/\text{sample}$.

Sample Number: BS-98211-05

<u>Analyte</u>	<u>Method</u>	<u>Concentration</u>	<u>Reporting Limit</u>
Antimony	EPA 6010B	ND	3.0
Arsenic	EPA 6010B	ND	3.0
Barium	EPA 6010B	4.4	2.0
Beryllium	EPA 6010B	ND	1.0
Cadmium	EPA 6010B	2.2	2.0
Chromium	EPA 6010B	186	1.0
Cobalt	EPA 6010B	ND	1.0
Copper	EPA 6010B	11700	1.0
Lead	EPA 6010B	50.6	2.0
Mercury	EPA 7471A	ND	0.1
Molybdenum	EPA 6010B	ND	1.0
Nickel	EPA 6010B	4290	1.0
Selenium	EPA 6010B	ND	3.0
Silver	EPA 6010B	ND	2.0
Thallium	EPA 6010B	ND	3.0
Vanadium	EPA 6010B	ND	1.0
Zinc	EPA 6010B	359	4.0



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Digested: 08/04/98
Date Analyzed: 08/05/98
Work Order No.: 98-07-0844

Attn: Sylvia Warnik
RE: Pomona Plating

Page 2 of 2

All concentrations are reported in $\mu\text{g}/\text{sample}$.

Sample Number: BS-98211-010

<u>Analyte</u>	<u>Method</u>	<u>Concentration</u>	<u>Reporting Limit</u>
Antimony	EPA 6010B	ND	3.0
Arsenic	EPA 6010B	ND	3.0
Barium	EPA 6010B	30.7	2.0
Beryllium	EPA 6010B	ND	1.0
Cadmium	EPA 6010B	ND	2.0
Chromium	EPA 6010B	104	1.0
Cobalt	EPA 6010B	2.9	1.0
Copper	EPA 6010B	698	1.0
Lead	EPA 6010B	16.2	2.0
Mercury	EPA 7471A	0.1	0.1
Molybdenum	EPA 6010B	ND	1.0
Nickel	EPA 6010B	34000	10
Selenium	EPA 6010B	ND	3.0
Silver	EPA 6010B	ND	2.0
Thallium	EPA 6010B	ND	3.0
Vanadium	EPA 6010B	1.9	1.0
Zinc	EPA 6010B	287	4.0

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating		
Work Order Number:	98-07-0844		
QC Batch ID:	980804lcsC	Date Collected:	07/30/98
Matrix:	Solid	Date Received:	07/31/98
Preparation:	Total Digestion	Date Prepared:	08/04/98
Method:	EPA 6010B	Date Analyzed:	08/05/98

Client Sample Number: BS-98211-01
Lab Sample Number: 98-07-0844-1

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	5.04	0.75		mg/kg
Arsenic	4.14	0.75		mg/kg
Barium	88.6	0.50		mg/kg
Beryllium	0.34	0.25		mg/kg
Cadmium	0.51	0.50		mg/kg
Chromium (Total)	289	0.25		mg/kg
Cobalt	4.20	0.25		mg/kg
Copper	3520	0.25		mg/kg
Lead	222	0.50		mg/kg
Molybdenum	4.46	0.25		mg/kg
Nickel	1190	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	1.78	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	24.3	0.25		mg/kg
Zinc	92.2	1.00		mg/kg



ANALYTICAL REPORT

EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating
Work Order Number:	98-07-0844
QC Batch ID:	980804lcsC
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	07/30/98
Date Received:	07/31/98
Date Prepared:	08/04/98
Date Analyzed:	08/05/98

Client Sample Number: BS-98211-02
Lab Sample Number: 98-07-0844-2

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	ND	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	ND	0.50		mg/kg
Chromium (Total)	64.7	0.25		mg/kg
Cobalt	11.5	0.25		mg/kg
Copper	5100	12		mg/kg
Lead	2.94	0.50		mg/kg
Molybdenum	0.40	0.25		mg/kg
Nickel	140000	12		mg/kg
Selenium	ND	0.75		mg/kg
Silver	0.86	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	1.02	0.25		mg/kg
Zinc	791	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating
Work Order Number:	98-07-0844
QC Batch ID:	980804lcsC
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	07/30/98
Date Received:	07/31/98
Date Prepared:	08/04/98
Date Analyzed:	08/05/98

Client Sample Number: BS-98211-03
Lab Sample Number: 98-07-0844-3

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	3.8		mg/kg
Arsenic	ND	3.8		mg/kg
Barium	ND	2.5		mg/kg
Beryllium	ND	1.2		mg/kg
Cadmium	ND	2.5		mg/kg
Chromium (Total)	46.2	1.2		mg/kg
Cobalt	ND	1.2		mg/kg
Copper	212000	25		mg/kg
Lead	91.3	2.5		mg/kg
Molybdenum	ND	1.2		mg/kg
Nickel	2030	1.2		mg/kg
Selenium	ND	3.8		mg/kg
Silver	16.0	2.5		mg/kg
Thallium	ND	3.8		mg/kg
Vanadium	ND	1.2		mg/kg
Zinc	301	5.0		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating		
Work Order Number:	98-07-0844		
QC Batch ID:	980804lcsC	Date Collected:	07/30/98
Matrix:	Solid	Date Received:	07/31/98
Preparation:	Total Digestion	Date Prepared:	08/04/98
Method:	EPA 6010B	Date Analyzed:	08/05/98

Client Sample Number: BS-98211-04
 Lab Sample Number: 98-07-0844-4

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	58.9	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	ND	0.50		mg/kg
Chromium (Total)	108	0.25		mg/kg
Cobalt	4.41	0.25		mg/kg
Copper	402	0.25		mg/kg
Lead	2.95	0.50		mg/kg
Molybdenum	1.21	0.25		mg/kg
Nickel	60800	12		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	1.49	0.25		mg/kg
Zinc	372	1.00		mg/kg

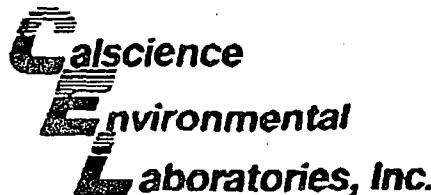


**ANALYTICAL REPORT**
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating		
Work Order Number:	98-07-0844		
QC Batch ID:	980804lcsC	Date Collected:	07/30/98
Matrix:	Solid	Date Received:	07/31/98
Preparation:	Total Digestion	Date Prepared:	08/04/98
Method:	EPA 6010B	Date Analyzed:	08/05/98

Client Sample Number: BS-98211-06
Lab Sample Number: 98-07-0844-6

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	3.8		mg/kg
Arsenic	ND	3.8		mg/kg
Barium	5.6	2.5		mg/kg
Beryllium	ND	1.2		mg/kg
Cadmium	ND	2.5		mg/kg
Chromium (Total)	38.6	1.2		mg/kg
Cobalt	9.8	1.2		mg/kg
Copper	17800	1.2		mg/kg
Lead	7.4	2.5		mg/kg
Molybdenum	ND	1.2		mg/kg
Nickel	81900	5		mg/kg
Selenium	ND	3.8		mg/kg
Silver	ND	2.5		mg/kg
Thallium	ND	3.8		mg/kg
Vanadium	ND	1.2		mg/kg
Zinc	668	5.0		mg/kg

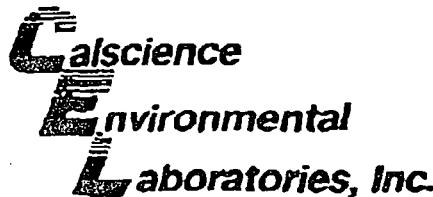


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating
Work Order Number:	98-07-0844
QC Batch ID:	980804lcsC
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 07/30/98
	Date Received: 07/31/98
	Date Prepared: 08/04/98
	Date Analyzed: 08/05/98

Client Sample Number: BS-98211-07
Lab Sample Number: 98-07-0844-7

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	14.1	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	ND	0.50		mg/kg
Chromium (Total)	357	0.25		mg/kg
Cobalt	30.8	0.25		mg/kg
Copper	1120	0.25		mg/kg
Lead	16.1	0.50		mg/kg
Molybdenum	1.07	0.25		mg/kg
Nickel	275000	12		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	1.93	0.25		mg/kg
Zinc	1660	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating		
Work Order Number:	98-07-0844		
QC Batch ID:	980804lcsC	Date Collected:	07/30/98
Matrix:	Solid	Date Received:	07/31/98
Preparation:	Total Digestion	Date Prepared:	08/04/98
Method:	EPA 6010B	Date Analyzed:	08/05/98

Client Sample Number: BS-98211-08
Lab Sample Number: 98-07-0844-8

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	ND	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	ND	0.50		mg/kg
Chromium (Total)	19.1	0.25		mg/kg
Cobalt	4.26	0.25		mg/kg
Copper	103	0.25		mg/kg
Lead	ND	0.50		mg/kg
Molybdenum	0.42	0.25		mg/kg
Nickel	65800	12		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	0.46	0.25		mg/kg
Zinc	313	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating
Work Order Number:	98-07-0844
QC Batch ID:	980804lcsC
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 07/30/98
	Date Received: 07/31/98
	Date Prepared: 08/04/98
	Date Analyzed: 08/05/98

Client Sample Number: BS-98211-09
Lab Sample Number: 98-07-0844-9

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	3.8		mg/kg
Arsenic	ND	3.8		mg/kg
Barium	5.3	2.5		mg/kg
Beryllium	ND	1.2		mg/kg
Cadmium	ND	2.5		mg/kg
Chromium (Total)	176	1.2		mg/kg
Cobalt	6.6	1.2		mg/kg
Copper	52500	2.5		mg/kg
Lead	14.6	2.5		mg/kg
Molybdenum	ND	1.2		mg/kg
Nickel	64500	2.5		mg/kg
Selenium	ND	3.8		mg/kg
Silver	ND	2.5		mg/kg
Thallium	ND	3.8		mg/kg
Vanadium	ND	1.2		mg/kg
Zinc	884	5.0		mg/kg

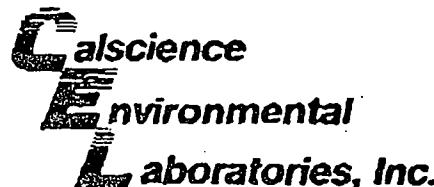


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating
Work Order Number:	98-07-0844
QC Batch ID:	980804lcsC
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	N/A
Date Received:	N/A
Date Prepared:	08/04/98
Date Analyzed:	08/05/98

Client Sample Number: Method Blank
 Lab Sample Number: 097-01-002-626

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	ND	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	ND	0.50		mg/kg
Chromium (Total)	ND	0.25		mg/kg
Cobalt	ND	0.25		mg/kg
Copper	ND	0.25		mg/kg
Lead	ND	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	ND	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	ND	0.25		mg/kg
Zinc	ND	1.00		mg/kg



QUALITY ASSURANCE SUMMARY

ICP / GF Metals (Solids)

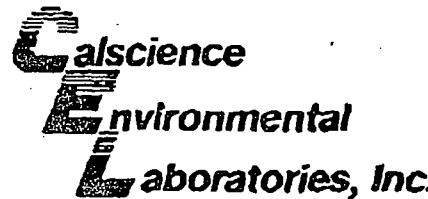
GeoSyntec Consultants
Page 1 of 1

Work Order No.: 98-07-0844
Date Analyzed: 08/04/98

Matrix Spike/Matrix Spike Duplicate

Sample Spiked: 98-08-0001-5

Analyte	Method	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Mercury	EPA 7471A	113	115	50 - 130	1	0 - 20



Quality Control - Spike/Spike Duplicate
EPA 6010B CAC, Title 22 Metals

MS/MSD Batch Number: 080498ms3
 Matrix: Solid
 Method: EPA 6010B

Instrument: ICP 2000
 Date Extracted: 08/04/98
 Date Analyzed: 08/05/98

Spiked Sample ID: 98-08-0008-1

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	61	68	80-120	12	0-20	3
Arsenic	92	104	80-120	10	0-20	
Barium	106	116	80-120	7	0-20	
Beryllium	85	92	80-120	8	0-20	
Cadmium	89	97	80-120	8	0-20	
Chromium (Total)	96	107	80-120	9	0-20	
Cobalt	86	95	80-120	8	0-20	
Copper	86	97	80-120	10	0-20	
Lead	87	98	80-120	10	0-20	
Molybdenum	88	98	80-120	10	0-20	
Nickel	84	94	80-120	8	0-20	
Selenium	78	86	80-120	10	0-20	3
Silver	83	92	80-120	9	0-20	
Thallium	79	92	80-120	14	0-20	3
Vanadium	101	112	80-120	8	0-20	
Zinc	118	140	80-120	8	0-20	3

Calscience**Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc.**

EPA 6010B CAC, Title 22 Metals

LCS Batch Number: 980804lcsC
Lab File ID: 980804-I
Matrix: Solid
Method: EPA 6010B

Instrument: ICP 2000
Date Analyzed: 08/05/98

LCS Sample Number: 097-01-002-626

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>%Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Antimony	50	42.4	85	80-120	
Arsenic	50	46.8	94	80-120	
Barium	50	47.2	94	80-120	
Beryllium	50	44.0	88	80-120	
Cadmium	50	46.8	94	80-120	
Chromium (Total)	50	45.3	91	80-120	
Cobalt	50	46.1	92	80-120	
Copper	50	44.8	90	80-120	
Lead	50	46.7	93	80-120	
Molybdenum	50	45.5	91	80-120	
Nickel	50	46.0	92	80-120	
Selenium	50	41.4	83	80-120	
Silver	25	20.8	83	80-120	
Thallium	50	42.7	86	80-120	
Vanadium	50	44.7	89	80-120	
Zinc	50	45.8	92	80-120	



GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 98-07-0844

<u>Qualifier</u>	<u>Definition</u>
3	MS or MSD compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
ND	Not detected at indicated reporting limit.

7/20/98 12:24 FAX 1 213 680 6499

MCCUTCHEON LA DD

Table 1: Pomona Plating
Preliminary Analytical Results
(bold indicates concentration exceeding the CA TTLC Hazardous Waste De
Limits)

Field No.	PP-1	PP-2	PP-3	PP-4	PP-5	PP-6	TTLC kg/kg Limit
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	N/D	N/D	N/D	N/D	N/D	N/D	500
Arsenic	N/D	N/D	N/D	N/D	N/D	N/D	500
Barium	81.3	N/D	N/D	N/D	N/D	114	10000
Beryllium	N/D	N/D	N/D	N/D	N/D	N/D	75
Cadmium	N/D	N/D	N/D	N/D	N/D	1	100
Chromium	6640	2390	148	N/D	117000	221	2500
Cobalt	N/D	N/D	N/D	N/D	N/D	8	8000
Copper	7790	1190	1360	85100	5330	3560	2500
Lead	77	N/D	N/D	N/D	N/D	106	1000
Molybdenum	N/D	N/D	N/D	N/D	N/D	N/D	3500
Nickel	9830	838	124000	32000	3060	2120	2000
Selenium	N/D	N/D	N/D	N/D	N/D	44.1	100
Silver	N/D	N/D	N/D	N/D	N/D	N/D	500
Thallium	N/D	N/D	N/D	N/D	N/D	N/D	700
Vanadium	N/D	N/D	N/D	N/D	N/D	28	2400
Zinc	1690	633	816	N/D	568	435	5000
pH	7.4	10.6	4.4	<1.0	<1.0	6.0	

Sample Locations:

- PP-1 Filter Cake grab from 1 supersack in polishing room.
- PP-2 Floor sludge composite, waste water treatment area, inside berm.
- PP-3 Floor sludge composite, east end of plating line near Vat # 40.
- PP-4 Two drums labeled as "Nitric spent", composite sample, from backlot.
- PP-5 Vat #12 labeled as "Spent Chromic", located in backlot.
- PP-6 Soil composite sample collected from southern fence line, southwest corner of parking lot.

Attachment D
START's Workplan Reviews



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International Specialists in the Environment

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Tel: (562) 435-6188, Fax (562) 435-6687

June 30, 1998

U.S. Environmental Protection Agency
Emergency Response Office
75 Hawthorne Street
San Francisco, CA 94105

Ref. No.: T190698-008
TDD No.: 099806-0010
PAN No.: 0327PPRS-XX

Attention: Karen Nelson, Project Officer

Subject: **START's initial review of *Work Plan for Pomona Plating Company*, dated June 24, 1998**

On May 22, 1998, Unilateral Administrative Order 98-09 (UAO), pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, was issued to potentially responsible parties of the Pomona Plating facility, referred to as "Respondents". The terms of the UAO required that Respondents submit to EPA within ten calendar days after the effective date of the UAO a workplan including a description of all activities to be conducted at the site in order to fulfill removal and cleanup requirements of the UAO.

Workplan requirements stated in paragraph 35 of the UAO included the following:

1. The workplan should include a proposed schedule for implementing and completing required activities.
2. Should the Respondents plan to continue plating operations at the facility, the proposed schedule must include the time needed to obtain all necessary operating permits.
3. Should the Respondents not plan to continue plating operations at the facility, the proposed schedule must include the time needed for the removal of all chemicals on-site, as well as the appropriate decontamination or disposal of all interior surfaces and equipment should they not.

Paragraph 36 of the UAO indicated that removal activities required are to include but may not be limited to:

- A. Identifying all chemical compounds in all vats and other containers, including

- sampling and analyzing all unknown chemicals and all chemicals in containers without labels or with unreadable labels;
- B. Segregating and securing containers of chemical waste in groups according to compatibility of the chemical contents;
- C. Characterizing, containerizing, and securing all of the spilled material encountered in the water treatment and plating areas;
- D. Transporting and disposing of, in accordance with all applicable or appropriate and relevant federal and state laws, all waste hazardous substances on-site;
- E. Conducting surface and subsurface soil sampling to determine the full nature and extent of soil contamination;
- F. Disposing, stabilizing, or treating grossly contaminated soils found at or near the surface at the direction of the OSC;
- G. Providing EPA with copies of all documentation related to off-site disposal of wastes including, but not limited to, manifests, waste profiles and analytical data and disposal costs;
- H. Notifying the EPA OSC at least forty-eight hours prior to any on-site work.
Notifying the EPA OSC at least 72 hours prior to disposal of wastes; and
- I. Providing and implementing a post-cleanup sampling and analysis plan.

Paragraph 37 of the UAO indicated that the work plan must include:

- 1) a Health & Safety Plan prepared in accordance with EPA's Superfund Standard Operating Safety Guide, dated June 1992 which complies with all current Occupational Safety and Health Administration regulations applicable to Hazardous Waste Operations and Emergency Response, 29 CFR Part 1910;
- 2) a Quality Assurance Project Plan that is consistent with the "Quality Assurance/Quality Control Guidance for Removal Activities: Sampling QA/QC Plan and Data Validation Procedures," EPA OSWER Directive 9360.4-01, dated April 1990.

Respondents are required to incorporate all changes to the health and safety plan recommended by EPA and implement the health and safety plan throughout the performance of the removal action.

On June 26, 1998, START received via facsimile from EPA On-Scene Coordinator (OSC) R. Martyn a workplan prepared by J. White Laboratory & Company on behalf of Pomona Plating Company, dated June 25, 1998, for the clean-up and removal of hazardous materials at the site. This plan included the following items:

- I. Separation of all liquid chemical waste in storage tanks and drums. Identify acid and alkaline liquid waste. Mix contents of tanks using air. Record pH of all tanks, and mark

- each tank with a number and the measured pH of the tank contents.
- II. Sampling of waste for analyses:
For liquids, mix all pH compatible solutions to obtain a composite sample. Collect samples from each container.
For solids in one-ton waste bags, starting at surface to eight inches beneath surface of sludge, collect samples, place all samples on plastic sheet, mix and collect composite sample.
- III. Pumping of liquid waste for transport and disposal: all acid liquid pumped together for transport; all alkaline liquid pumped together for transport.
- IV. Waste analysis: Metals analyzed by EPA Method 200.7, Hg-cold vapor technique. Non-metals analyzed by EPA Methods 335.2 and 376.2 for cyanide, sulfides, pH and specific gravity. Sludges analyzed by RCRA Metal analyses (24 hour acetic acid leach).
- V. Waste Management company - Varia Waste Management Company, Santa Fe Springs, California.
- VI. Pumping and transportation - KVS Transportation, Bakersfield, California.
- VII. Solid waste disposal site - Chemical Waste Management, Inc., Kettleman City, California.
- VIII. Liquid waste treatment and disposal - U.S. Filter Recovery Service, Los Angeles, California.
- IX. All surfaces in the waste storage areas shall be swept clean and all collected matter and debris to be placed into a one-ton waste bag for disposal, etc.
- X. Waste disposal activities are to begin approximately July 20, 1998.

Upon review of this workplan, START recognizes the following issues:

- 1. The workplan did not indicate which chemicals on-site are to be considered wastes, nor did it discuss actions to be taken for securing and transporting non-waste chemicals.
- 2. The workplan indicated an approximate date to begin cleanup activities, but did not include a proposed schedule for implementing all required activities.
- 3. The workplan did not indicate Respondents' plans either to continue or discontinue plating operations at the site.
- 4. The workplan indicated an apparent chemical waste profiling sequence which involved sampling liquids for pH, pumping pH compatible liquids together for transport, then analyzing samples for various constituents utilizing specified EPA test methods. START recommends that chemical characterization be performed first, utilizing appropriate test methods in order to make decisions for mixing solutions together for disposal. Compatibility should be determine based on chemical constituents and concentrations. EPA-approved SW-846 test methods would be more appropriate for analyses.
- 5. Item C of paragraph 36 was not addressed in the workplan. Methods to characterize and secure spilled materials encountered in the plating areas should be discussed.
- 6. Items E and F of paragraph 36 were not addressed. Methods for conducting surface and

K. Nelson
Ref. No.:T190698-008
Page 4

- subsurface soil sampling, and for disposal, stabilization or treatment of contaminated soils at the site should be discussed.
7. The workplan did not indicate Respondents' willingness to provide EPA with analytical and disposal documentation, and required prior notification of work performed at the site.
 8. A post-cleanup sampling and analysis plan was not included in the workplan, as required by Item I of paragraph 36.
 9. Neither a Health & Safety Plan nor a Quality Assurance Project Plan prepared as directed in paragraph 37 of the UAO were included in the workplan.
 10. Characterization and removal of contents of the roll-off bins which are currently on-site were not discussed in the workplan.

START recommends that the Respondents submit a revised workplan which includes discussion of activities to be conducted to comply with all requirements described in the UAO, and mentioned above. Respondents should indicate whether or not they intend to continue plating operations at the facility, and include in the workplan a proposed schedule for the time required to complete all items discussed above.

Tank contents should not be mixed. Incompatible materials could possibly exist in stratified layers in a container. If more than one layer of material is present in a container, a sample of each strata should be collected and characterized. Samples from the bottom, middle and top of vat sludge should be collected if more than a few inches thick. Field chemical characterization should include tests for pH, oxidizing potential, flammability, water reactivity and the presence of chlorinated compounds.

If you have any questions or comments, please do not hesitate to contact this office.

Sincerely,



Judy Sapp
START Member

cc: B. Lewis
R. Martyn
file



ecology and environment, inc.

International Specialists in the Environment

11 Golden Shore Drive
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July 14, 1998

U.S. Environmental Protection Agency
Emergency Response Office
75 Hawthorne Street
San Francisco, CA 94105

Ref. No.: T190798-001
TDD No.: 099806-0010
PAN No.: 0327PPRS-XX

Attention: Karen Nelson, Project Officer

Subject: **START's review of *Work Plan, Quality Assurance Project Plan and Health and Safety Plan* in Response to EPA Unilateral Administrative Order 98-09, dated July 10, 1998, for Pomona Plating Site.**

On July 13, 1998, START received via facsimile from EPA On-Scene Coordinator (OSC) B. Lewis a Work Plan, a Quality Assurance Project Plan (QAPP), and a Health and Safety Plan (HASP) prepared by GeoSyntec Consultants on behalf of David Distefano, dated July 10, 1998, for the cleanup and removal of hazardous materials from the Pomona Plating site. The workplan was required to address specifically all activities to be conducted at the site in order to fulfill removal and cleanup requirements of EPA Unilateral Administrative Order 98-09 (UAO).

Upon review of these plans, START submits the following comments:

- Regarding Sections 3.2 and 3.6 of the workplan, reference should be made to GeoSyntec's *Quality Assurance Project Plan* (QAPP), dated July 10, 1998, in which sampling procedures and laboratory analytical methods are discussed. Because neither the workplan nor the QAPP discuss specific sampling procedures in detail, the workplan should describe provisions for amendments to the QAPP. Prior to any sampling event, any specific sampling strategy amendments to the QAPP should be submitted to EPA for final review and approval. Certification compliance of all analytical laboratories, transporters and treatment/storage/disposal facilities proposed should be identified in the workplan.
- Section 3.3 of the workplan states that the premises are to be secured. The workplan should describe specific methods proposed to secure the premises as required by Item #32

K. Nelson
Ref. No.: T190798-001
Page 2

of the UAO.

- Regarding Sections 3.5, 3.7 and 3.10 of the workplan, prior to any on-site activities, the consultants should identify, either by consultation with the client or by inspection, which are usable products and which are waste materials. This information should be submitted in the initial workplan for EPA approval. The workplan should fully describe how on-site storage of any chemicals will comply with local ordinances/fire codes. If chemicals are to be stored on-site, the workplan should describe how this information is to be imparted to the fire department and/or other local administering authority, as well as how revisions and updates of this information are to be dealt with. Chemicals should not be left on-site if the fire damage to the building is not repaired. If chemicals are to be stored off-site, the off-site location, EPA identification number, and permit compliance status of the proposed facility must be included in the workplan.
- Regarding Sections 7.1 and 7.2 of the Health and Safety Plan, air monitoring must be conducted at the site prior to any on-site activity, and during activities (such as vacuum truck loading) which could impact the adjacent businesses and residential area. Activities that could possibly pose a threat to these areas, and the appropriate air monitoring equipment to be used should be identified in the HASP. At a minimum, worker and perimeter area monitoring for acid gases and hydrogen cyanide should be conducted.

If you have any questions or comments, please do not hesitate to contact this office.

Sincerely,



Judy Sapp
START Member

cc: B. Lewis
R. Martyn
file



ecology and environment, inc.

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September 8, 1998

U.S. Environmental Protection Agency
Emergency Response Office
75 Hawthorne Street
San Francisco, CA 94105

Ref. No.: T190798-001
TDD No.: 099806-010
PAN No.: 0327PPRS-XX

Attention: Karen Nelson, Project Officer

Subject: **START's review of Pomona Plating Site Surface and Subsurface Soil Sampling Workplan, GeoSyntec Consultants, dated September 4, 1998**

On September 8, 1998, START received via facsimile from GeoSyntec Project Manager J. Caldwell the above entitled document. The Workplan was submitted to EPA OSC B. Lewis and the START in response to EPA UAO 98-09. The Workplan is intended to serve as a quality assurance sampling and analysis plan for surface and shallow subsurface soils on the Pomona Plating property.

Upon review of this Workplan, the START submits the following comments in order of Workplan section:

Sec. 1.2, & 3.2

The document "Pomona Plating Site Quality Assurance Project Plan (QAPjP), GeoSyntec Consultants, dated July 10, 1998 serves as the "parent" document to this sampling plan. It provides a general reference to the following topics:

- Data quality assurance objectives
- Soil sample collection procedures
- Equipment decontamination procedures
- Sample handling and custody requirements
- Analytical methods (Table 1), sample handling (Table 2)
- Laboratory QA/QC samples
- Field QA/QC samples
- Data validation procedures.

Each of these topics are central to the objectives of a specific sampling plan covered under the QAPjP and should be referenced/elaborated upon for the purpose of this sampling plan. Many of the following comments reflect this.

Sec. 2.

Add a "Data Use Objectives" section detailing how soils analytical data will be used. Proposed site specific action levels should be documented, with citations, and explained to substantiate the sampling design and chosen quality assurance levels.

Sec. 4.1 & 4.3

A sampling objective identified in sec. 2.1 is to "determine the full nature and extent of soil contamination". Approximately seven soil sampling locations are selected (Figure1). The number and distribution of sampling locations is insufficient to meet this objective.

The described sampling rational is a judgmental one with no randomization associated with it, precluding any statistical interpretation of the sampling results. Additional sampling locations (coverage of backlot, south bay, parking lot, etc.) chosen in a random fashion (i.e., systematic grid) will aid in the determination of contamination boundaries, clean areas, and in the estimation of volumes of contaminated soils. Subdividing the property into distinct sample population areas will also increase data representativeness. For example, the building subsurface might be expected to more heavily contaminated than the subsurface areas exterior to the building.

Sec. 6.1

Discuss procedures for decontamination of non-dedicated sampling equipment between sample points.

Sec. 6.4

The California certified hazardous waste testing laboratory should be identified.

A table, or equivalent, should be incorporated listing the EPA approved analytical methods for the soil samples, established detection limits for the constituents of concern (below applicable action levels to be referenced in Sec. 2), sample volumes, requested laboratory QA/QC samples, and field QA/QC samples which will be collected under this plan.

There is no discussion as to why non-metal analytes are not included in the analysis regime (historical evidence, results of characterization to-date, etc.).

K. Nelson
Ref. No.: T190798-001
Page 3

Samples tested in accordance with the TCLP are not comparable to STLC constituent values. A discussion of when/why a leaching test procedure will be utilized must be included. The target metal analytes for Pomona Plating encompass metals from both the federal TCLP and California STLC hazardous waste determining lists.

Sec. 7.2

Should compliment the Sec. 2 discussion. There is no mention of how TCLP/STLC results are to be used. The reference and applicability of "Preliminary Remediation Goals" to the Pomona Plating site must be explained.

Sec. ??

A section on data validation procedures, decision making and reporting is needed.

If you have any questions or comments, please do not hesitate to contact this office.

Sincerely,

Craig Benson
Long Beach START Manager

cc: B. Lewis
 file

Attachment E
START's Sampling Workplan Reviews



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October 5, 1998

U.S. Environmental Protection Agency
Emergency Response Office
75 Hawthorne Street
San Francisco, CA 94105

Ref. No.: T190798-001
TDD No.: 099806-0010
PAN No.: 0327PPRS-XX

Attention: Karen Nelson, Project Officer

Subject: **START's review of revised Pomona Plating Site Surface and Subsurface Soil Sampling Workplan, dated October 1, 1998**

On October 1, 1998, START received via facsimile from GeoSyntec Project Manager J. Caldwell the above entitled document (Workplan). The Workplan was submitted to EPA OSC B. Lewis and the START in response to UAO 98-09. The Workplan is intended to serve as a quality assurance sampling and analysis plan for surface and shallow subsurface soils on the Pomona Plating property.

Upon review of this revised Workplan, the START finds the Workplan acceptable for the intended preliminary assessment of subsurface conditions. START notes, however, that further subsurface investigation may be required, should analytical results indicate that grossly contaminated soils are present at the site.

If you have any questions, please do not hesitate to contact this office.

Sincerely,

Judy Sapp
START member

cc: B. Lewis
file

Attachment F
Geosyntec's Task 9 Implementation Plan

**POMONA PLATING SITE
POMONA, CALIFORNIA**

8

**TASK 9
IMPLEMENTATION PLAN
In Response to
EPA Unilateral Administrative Order 98-09**

Prepared for:

**Mr. David Distefano
572 Escalante Drive
Ivins, Utah 84738
(435) 628-0583**

Prepared by:

**GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, California 92648
(714) 969-0800**



25 November 1998

Pomona Plating

GeoSyntec Consultants

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Pomona Plating Site

GeoSyntec Consultants

1. INTRODUCTION

1.1 General

This *Task 9 Implementation Plan* (Plan) describes proposed additional activities at the Pomona Plating Site, 720 Indigo Court, Pomona, California (the Site).

This Plan was prepared by GeoSyntec Consultants, Inc. (GeoSyntec) for Mr. David Distefano, owner of the site, for submittal to the U.S. Environmental Protection Agency (USEPA) as part of the response to the Unilateral Administrative Order 98-09 (the Order) applicable to the Site.

The Plan was prepared to respond to the ninth and final task specified in the USEPA Order and described in the USEPA approved *Pomona Plating Site Workplan* [GeoSyntec Consultants. 10 July 1998].

1.2 Completion of Tasks 1 Through 8

Completion of Tasks 1 through 6 and implementation of Tasks 7 and 8 are described in eighteen Activity Reports and documented by manifests submitted to the USEPA. Liquids, sludges, and containers have been removed from the site.

As described in the *Subsurface Soil Sampling Report* [GeoSyntec Consultants. 12 November 1998] there is no measured exceedance of the site specific action levels and therefore subsurface soil remediation (disposal, stabilization, or treatment) is not required to achieve the site specific action levels.

Pomona Plating Site

GeoSyntec Consultants

2. CURRENT SITE CONDITIONS**2.1 Outside Areas**

The outside areas are essentially clear. Only a limited number of cleaned containers are stored for possible future use or sale.

2.2 South Bay of Building

The south bay of the building has been essentially cleared of equipment and materials associated with past plating operations. Only cleaned 55 gallon drums remain for future use or sale.

2.3 North Bay of Building

The liquids, sludges, and solid in all small (55 gallon sized and smaller) and medium sized (about 6x4x4 ft) containers have been removed. A few medium sized cleaned containers have been cleaned and retained for possible future use or sale. Most of the wooden walkways at the plating area have been removed and disposed of. The floors of the secondary containment areas have been cleared of surface materials.

With permission from the USEPA, the contents of a limited number of large containers were retained. These containers are founded on the concrete floor within secondary containment areas.

2.4 Security

The plating building is locked and siding has been repaired to control unauthorized or inadvertent access. The site is surrounded by a security fence and gates, which are locked when the adjacent building is not in use.

Pomona Plating Site

GeoSyntec Consultants

3. REMOVAL PROCEDURES

3.1 Procedures

The work described in this Plan will be done in accordance with the procedures used to successfully complete and implement Tasks 1 through 8. These procedures are described in the USEPA approved *Pomona Plating Site Workplan* [GeoSyntec Consultants. 10 July 1998].

The Workplan includes a site-specific *Quality Assurance Project Plan* and a site-specific *Health and Safety Plan*. Both plans have been and will continue to be followed for work undertaken in accordance with this Plan.

3.2 Parties

U.S. Filter will continue to do the removal work. Neil Frumkin will continue as project manager.

GeoSyntec will continue to provide engineering and technical services including monitoring and reporting. Jack Caldwell will continue as project manager.

Pomona Plating Site

GeoSyntec Consultants

4. COMPLETION OF SITE CLEANUP ACTIVITIES

4.1 Removal of Remaining Liquids, Sludges, and Solids

Liquids, sludges, and solids that remain in containers in the North Bay will be pumped out or removed for appropriate disposal by U.S. Filter. Intact containers will be cleaned and marketable equipment will be sold to a local used-equipment broker, Western Equipment, for use or resale. Debris or discarded items in the processing area will be removed from site for appropriate disposal by U.S. Filter.

The removal will begin as soon as possible following approval of this Plan by the USEPA. Work will be completed within 15 business days of USEPA approval of this Plan.

4.2 Securing the Building

Once the liquids, sludges, and solids are removed and the containers cleaned, the building will be locked, secured, and maintained pending future use or rental by the owner for appropriate industrial operations. Upon completion of this work the site will no longer pose an imminent risk of harm to human health or the environment from previous industrial operations.

Attachment G
Geosyntec's Subsurface Soil Sampling Report

**POMONA PLATING SITE
POMONA, CALIFORNIA**

**SUBSURFACE
SOIL SAMPLING
REPORT**

**In Response to
EPA Unilateral Administrative Order 98-09**

Prepared for:

**Mr. David Distefano
572 Escalante Drive
Ivins, Utah 84738
(435) 628-0583**

Prepared by:

**GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, California 92648
(714) 969-0800**



12 November, 1998

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1. INTRODUCTION

1.1 General

This *Subsurface Soil Sampling Report* ("Report") provides the results of sampling and testing of subsurface soils at the Pomona Plating Site, at 720 Indigo Court, Pomona, California (the Site).

This Report was prepared by GeoSyntec Consultants, Inc. (GeoSyntec) for Mr. David Distefano, owner of the site, for submittal to the U.S. Environmental Protection Agency (USEPA) as part of the response to the Unilateral Administrative Order 98-09 (the Order) applicable to the Site.

1.2 Report Background

The work described in this Report was undertaken to implement the *Surface and Subsurface Soil Sampling Workplan* ("Workplan") [GeoSyntec Consultants. 1 October 1998], as approved by the USEPA October 6, 1998.

The Workplan was prepared to respond to the fifth and sixth tasks specified in the USEPA Order. As described in the USEPA approved *Pomona Plating Site Workplan* [GeoSyntec Consultants. 10 July 1998], these tasks are:

"Task 5: Conduct surface and subsurface soil sampling to determine the full nature and extent of soil contamination."

- *establish locations of sampling points on the basis of the Site reconnaissance, the inventory, and the characteristics of the materials;*
- *remove or core through the concrete, when necessary, and sample the upper three feet of the soil (i.e., 0 to 1 ft, 2 to 3 ft), probably with a hand auger;*

- *analyze soil and concrete chip surface samples for chemical contamination, based on the characteristics of the materials on or in containers above the specific sample location; and*
- *perform additional delineation sampling as warranted from the results of the first phase of sampling and analysis."*

"Task 6: Dispose, stabilize, or treat grossly contaminated soils found at or near the surface at the direction of the OSC.

- *develop extent of contamination maps and removal plans for affected soils;*
- *categorize the subsurface based on level and type of contamination and determine appropriate treatment or disposal; and*
- *work with a qualified and licensed contractor to excavate, treat, haul and dispose of the wastes in accordance with all applicable regulations."*

2. WORKPLAN IMPLEMENTATION OBJECTIVES

2.1 Data Use Objectives

The Data Use Objectives for this project are set out in Section 2 of the USEPA approved *Pomona Plating Site Quality Assurance Project Plan [GeoSyntec Consultants. 10 July 1998]* (*QAPP*), and are further described below.

2.2 Sampling Objectives

The objectives of the soil sampling and testing done in terms of the Workplan and as described in this Report are:

- Obtain and test the underlying soil at selected locations in and around the building.
- establish whether or not past operations have affected the subsurface soil; and
- establish the nature and extent of concentrations of metals in soils, if any, at or near the surface that exceed the pre-established site specific action level.

2.3 Site Specific Action Level

The USEPA Order, Task 6, requires disposal, stabilization, or treatment of "grossly contaminated soils at or near the surface". The definition of "grossly contaminated" soil as established in the approved Workplan, is any exceedance of the USEPA Region 9 Preliminary Remediation Goals for soil at industrial sites [see "*Region 9 Preliminary Remediation Goals 1998*" Smucker, S.J., et al].

2.4 Achievement of Workplan Objectives

The objectives of the Workplan were achieved, as described in this Report by completing and establishing the following:

- The soil sampling locations were designated to target areas where the soil may be affected as a result of site historical activities;
- Soil was sampled and tested as proposed in Sections 5 and 6 of the Workplan and as described in Section 4 of this Report;
- Samples were tested to establish total metals concentration and pH;
- The concentrations of metal in the soil were compared to the Preliminary Remediation Goals for soils at industrial sites;
- The data show that there is no measured exceedance of the site specific action levels and therefore subsurface soil remediation (disposal, stabilization, or treatment) is not required to achieve the site specific action levels.

3. SAMPLE LOCATIONS AND DEPTHS

3.1 Sampling Locations - General

The sampling locations are shown on Figure 1. The precise location of each borehole relative to permanent site features is documented in the field notes in Appendix A. The sampling locations were based on those proposed in the Workplan and site conditions at the time of sampling, namely accessibility and the visual appearance of the cleared area. Sample locations were discussed and agreed with the USEPA representative (Judy Sapp) who was on site during drilling and sampling activities.

3.2 Rationale for Specific Sampling Locations

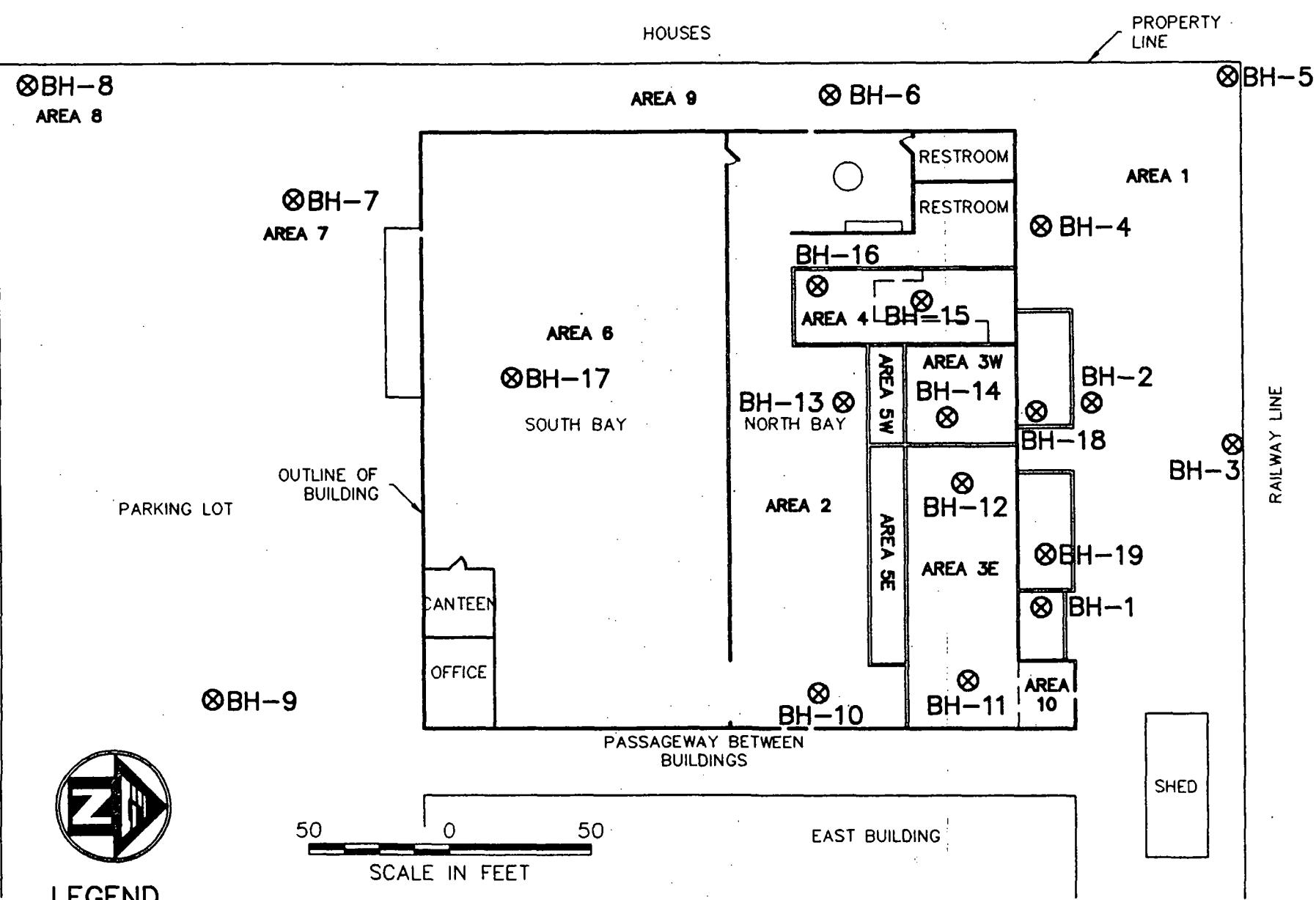
Drilling and sampling in secondary containment and storage areas in the north open area, was done because of the past storage of liquids in the secondary containment areas.

Sampling at the north property perimeter and north west corner of the site adjacent to the fence were undertaken because of the tanks that had been stored along the fence and because the fence is the perimeter of the property.

Sampling in Area 7 of the south parking lot was undertaken because of the previous stack of materials at that location. Sampling at the southwest corner near the site perimeter addressed prior USEPA sampling and testing that indicated impacts to surface soils that had accumulated in the area above the asphalt. (These accumulated surface soils have been removed.)

Sampling in and adjacent to secondary containment areas of the north bay of the building was undertaken because of past plating and waste water treatment operations in this area. The larger containers, which sit on the floor slab and some of which still contain plating solutions, were not moved because they may be reused for future operations. Samples in soil adjacent to retained large containers is considered representative of conditions at and beneath retained large containers.

INDUSTRIAL BUILDINGS



LEGEND

⊗ SAMPLE LOCATION
BH-1 BOREHOLE NUMBER



GeoSYNTEC CONSULTANTS

BOREHOLE LOCATIONS
POMONA PLATING SITE
POMONA, CALIFORNIA

FIGURE NO.	1
PROJECT NO.	HR0228-01
DATE:	6 NOV 1998

Sampling in the south bay was undertaken because of the past storage of 1-ton sacks of filter cake in that bay.

Sampling in the west alley was undertaken because that area represents the western limit of the building and the edge of the property.

A "background" location was sampled in the southeast part of the south parking area. It is on site and upgradient of the influence of both of the buildings on the site.

3.4 Sampling Depths

As established in the approved Workplan, to establish the nature of "*soils at or near the surface*", the drilling and sampling depth was generally 3 ft (1.0 m). The soil was generally sampled in the first and third one-foot increments, i.e., from 0 to 1 ft and from 2 to 3 ft. At many of the holes, as documented in the field notes in Appendix A, the hand auger was not able to penetrate the full 3 ft (1.0 m) depth. The gravel in the soil precluded further advance of the hand auger.

4. SOIL SAMPLING PROCEDURES

4.1 Health & Safety

Drilling and sampling was done in accordance with the *Pomona Plating Site Health and Safety Plan [GeoSyntec Consultants. 10 July 1998]*.

4.2 Quality

The Workplan was implemented in accordance with the QAPP. Additional requirements described in Sections 3.3 and 6.0 of the Workplan were also implemented.

4.3 Materials and Equipment

The following materials and equipment were used during the field sampling program:

- hand auger;
- hand concrete corer;
- miscellaneous field tools, shovels, gloves, duct tape, surveyors tape, sample containers, labels, sample identifications forms, etc.;
- health and safety equipment; and
- decontamination equipment.

Soil sampling boreholes were advanced with a hand auger. Soil samples were taken from the auger and the borehole.

Sample equipment decontamination was done as described in the QAPP Section 4.2. This included washing with alconox and water, followed by rinsing with nitric acid, tap water and a final rinse with distilled water.

4.4 Soil Sampling

Soils were sampled in accordance with the procedures described in QAPP Section 4.1. The soils were visually classified. Soil descriptions are provided in the field notes in Appendix A. Samples were placed in containers, sealed, and shipped in accordance with standard sample handling and chain of custody procedures specified in the QAPP.

4.5 Sample Documentation

Sampling and field activities were documented in accordance with the QAPP. Appendix A is a copy of the field notes.

4.6 Borehole Backfilling

Penetrations through the concrete slab and the asphalt were backfilled with concrete.

4.7 Soil Testing

Sample testing was done in accordance with the approved procedures and by the certified laboratory designated in the QAPP:

Calscience Environmental Laboratories, Inc. (Calscience)
7440 Lincoln Way
Garden Grove, CA 92841-1432
(714) 895-8494.

The Calscience Environmental Laboratories, Inc., California Environmental Testing Laboratory Number (ELAB) is 1230.

Samples were tested for metals and pH in accordance with the methods and procedures listed in Table 1 of the QAPP. The target analytes were established upon historical site information and the results of testing done during previous site investigation activities including work by the USEPA. Because there is no historical evidence or results of characterization undertaken by the USEPA to indicate that constituents other than those associated with plating operations are likely to exist at the site, the soils analyses were limited to these selected constituents.

The referenced USEPA procedures are approved analytical methods. The contracted certified laboratory (Calscience) has established detection limits for each method. These detection limits have been incorporated into the Calscience Standard Operating Procedures, copies of which can be made available on request.

As described in the QAPP Section 6.3, field duplicate soil samples were collected to assess the representativeness of the data. Data about duplicate sample locations and numbers are provided in the field notes in Appendix A.

4.8 Reporting

Field and laboratory data were managed in accordance with the procedures outlined in the QAPP Section 8. The analytical data have been validated as described in the QAPP Section 12. This included review of the sample documentation, holding times, blank analyses, detection limits, and data completeness.

5. RESULTS OF SAMPLING AND TESTING

5.1 Borehole Drilling and Sampling Observations

The field notes in Appendix A provide information about the thickness of concrete and asphalt encountered at each borehole location. Generally the concrete slab in the building is between 4 and 8 inches thick. In Area 4 the slab was 8.5 inches thick. The concrete in the building slab appeared to be sound and intact. The asphalt in the north and south open areas varied in thickness from 2.5 to 4.0 inches. The asphalt appeared to be sound and intact.

The soil encountered in the boreholes is generally the same across the site. It may be described as a moist, dark brown, loose to medium dense, silty fine sand with subrounded medium to coarse gravel.

5.2 Test Results

Appendix B contains the test results from Calscience. The results are summarized and compared to the Preliminary Remediation Goals for soils at industrial sites in Tables 1 and 2. There are no exceedances of these Preliminary Remediation Goals.

5.3 Nature and Extent of Subsurface Constituents

Borehole BH-9 is the background borehole. The location was chosen because the area is not affected by surface water runoff or potential subsurface moisture or constituent movement from either of the two buildings on site. The soils at the borehole location are covered with a layer of asphalt that is essentially the same as the asphalt layer over the remainder of the site. The results of the soil sampling from this borehole may be considered to represent the background conditions at the subject site.

The concentrations of selected elements in the background soils may also be compared to the statewide background values provided by EPA (See Exhibit 3-2 in

TABLE 1-A
SUMMARY OF SUBSURFACE SOIL TEST RESULTS
METALS CONCENTRATIONS
POMONA PLATING, POMONA, CALIFORNIA

	PRGs	BG BH-9 0'-1'	BG BH-9 2'-3'	BH-1 0'-1'	BH-1 2'-3'	BH-2 0'-1'	BH-2 2'-3'	BH-3 0'-1'	BH-3 2'-3'	BH-4 0'-1'	BH-4 2'-3'	BH-5 0'-1'	BH-5 2'-3'
Antimony	750	ND	ND	0.8	0	0	0	0	0.8	1.3	0.8	0	0
Arsenic	480	4.54	1.52	0.8	1	2.2	1.5	1.7	0	1	1	1.5	0
Barium	100,000	65.4	63.5	50	62	51	39	60	65	56	58	52	51
Beryllium	3,400	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4
Cadmium	930	1.44	1.43	1.1	1.2	1.1	0.9	1.4	1.3	1.4	1.6	1.3	1.1
Chromium	450	18.7	18.4	33	23	17	13	20	23	73	26	15	15
Cobalt	29,000	8.88	9.35	7	9.3	13	8.2	10	11	8.2	8.3	7.7	7.8
Copper	70,000	21.3	17.3	558	879	135	184	33	33	410	354	18	14
Lead	1,000	8.76	5.41	34	25	6.8	4.7	9.4	6.5	13	11	6.8	4.1
Molybdenum	9,400	ND	ND	0	0	0	0	0	0	0.3	0	0	0
Nickel	37,000	13.3	13.1	159	204	379	89	73	264	529	210	11	11
Selenium	9,400	ND	ND	0	0	0	0	0	0	0	0	0	0
Silver	9,400	ND	ND	0	0	0	0	0	0	0	0	0	0
Thallium	150	ND	ND	0	0	0	0	0	0	0	0	0	0
Vanadium	13,000	31.7	32.2	24	26	24	20	31	32	24	28	25	27
Zinc	100,000	57.6	46.1	52	57	75	64	70	66	188	163	79	43

- Notes:
1. All data reported as constituent concentrations in mg/kg
 2. PRG denotes Preliminary Remediation Goals for soils at industrial sites. See "Region 9 Preliminary Remediation Goals 1998" [Smucker, S.J., et al.]
 3. For borehole constituent concentrations, see Appendix B of this report.
 4. BG denotes the Background Borehole BH-9.
 5. BH-3, 0'-1' etc. refers to: (a) Borehole No.; and (b) Depth Interval of Sample (ft) (i.e., BH-3 from 0 ft to 1 ft depth).
 6. A numerical value of 0 in the table indicates Non-Detect (ND).
 7. Generally, arsenic concentrations are below background, therefore only the non-cancer PRG is shown.
 8. (D) designates a duplicate sample.

TABLE 1-B
SUMMARY OF SUBSURFACE SOIL TEST RESULTS
METALS CONCENTRATIONS
POMONA PLATING, POMONA, CALIFORNIA

	<i>PRGs</i>	<i>BG</i> <i>BH-9 0'-1'</i>	<i>BG</i> <i>BH-9 2'-3'</i>	<i>BH-5</i> <i>2'-3' (D)</i>	<i>BH-6</i> <i>0'-1'</i>	<i>BH-6</i> <i>2'-3'</i>	<i>BH-7</i> <i>0'-1'</i>	<i>BH-7</i> <i>2'-3'</i>	<i>BH-8</i> <i>0'-1'</i>	<i>BH-8</i> <i>2'-3'</i>	<i>BH-10</i> <i>0'-1'</i>	<i>BH-10</i> <i>2'-3'</i>	<i>BH-10</i> <i>2'-3' (D)</i>
Antimony	750	<i>ND</i>	<i>ND</i>	0	0	0	0	0.8	1.1	0	0	0	0
Arsenic	480	4.54	1.52	0.8	5.4	1.4	1.4	0.8	8.6	5.3	1.22	0	0.99
Barium	100,000	65.4	63.5	54	36	43	52	64	43	44	54.8	57.6	57.4
Beryllium	3,400	0.5	0.5	0.5	0.3	0.4	0.3	0.5	0.4	0.5	0.41	0.41	0.44
Cadmium	930	1.44	1.43	1.2	0.9	1	1.1	1.2	1.5	1.3	1.2	1.11	1.19
Chromium	450	18.7	18.4	16	12	14	13	15	46	18	14.5	14.9	15.9
Cobalt	29,000	8.88	9.35	8.6	6.1	6.5	6.2	8.3	7.9	6.4	7.5	7.71	8.05
Copper	70,000	21.3	17.3	15	27	19	13	15	322	503	18.8	14	15
Lead	1,000	8.76	5.41	4.6	6.2	6.2	11	5.3	18	6.2	11	4.48	4.49
Molybdenum	9,400	<i>ND</i>	<i>ND</i>	0	0	0	0	0	0	0	0	0	0
Nickel	37,000	13.3	13.1	11	60	15	8.1	12	164	87	32.5	13.7	17.8
Selenium	9,400	<i>ND</i>	<i>ND</i>	0	0	0	0	0	0	0	0	0	0
Silver	9,400	<i>ND</i>	<i>ND</i>	0	0	0	0	0	0	0	0	0	0
Thallium	150	<i>ND</i>	<i>ND</i>	0	0	0	0	0	0	0	0	0	0
Vanadium	13,000	31.7	32.2	30	19	23	21	28	26	29	26.1	25.7	27.9
Zinc	100,000	57.6	46.1	40	52	68	54	46	91	54	77	41.6	43.8

- Notes:
1. All data reported as constituent concentrations in mg/kg
 2. PRG denotes Preliminary Remediation Goals for soils at industrial sites. See "Region 9 Preliminary Remediation Goals 1998" (Smucker, S.J., et al.)
 3. For borehole constituent concentrations, see Appendix B of this report.
 4. BG denotes the Background Borehole BH-9.
 5. BH-3, 0'-1' etc. refers to: (a) Borehole No.; and (b) Depth Interval of Sample (ft) (i.e., BH-3 from 0 ft to 1 ft depth).
 6. A numerical value of 0 in the table indicates Non-Detect (ND).
 7. Generally, arsenic concentrations are below background, therefore only the non-cancer PRG is shown.
 8. (D) designates a duplicate sample.

TABLE 1-C
SUMMARY OF SUBSURFACE SOIL TEST RESULTS
METALS CONCENTRATIONS
POMONA PLATING, POMONA, CALIFORNIA

	PRGs	BG BH-9 0'-1'	BG BH-9 2'-3'	BH-11 0'-1'	BH-11 2'-3'	BH-12 0'-1'	BH-12 2'-3'	BH-13 0'-1'	BH-13 2'-3'	BH-14 0'-1'	BH-14 0'-1' (D)	BH-14 2'-3'
Antimony	750	ND	ND	0	0	0	0	0	0	1.19	1.23	0
Arsenic	480	4.54	1.52	1.67	0.82	1.78	0.96	1.56	0	0	0	1.05
Barium	100,000	65.4	63.5	54.7	58.4	58.1	58.8	50.3	59	54.8	55.9	55.6
Beryllium	3,400	0.5	0.5	0.44	0.4	0.39	0.38	0.4	0.42	0.46	0.43	0.39
Cadmium	930	1.44	1.43	0.97	0.84	1.23	1.07	1.3	1.08	1.28	1.28	1.09
Chromium	450	18.7	18.4	15.4	18.1	15.2	13.9	15.1	13.7	56.9	66.9	18.6
Cobalt	29,000	8.88	9.35	8.78	8.19	8.33	7.12	8.27	7.21	9.27	13.5	6.99
Copper	70,000	21.3	17.3	86.7	20.1	15.9	12.7	15.7	12.6	1290	1260	44.5
Lead	1,000	8.76	5.41	16.5	5.62	8.81	4.25	9.37	4.41	10.9	10.3	5.34
Molybdenum	9,400	ND	ND	0	0	0	0	0	0	0	0	0
Nickel	37,000	13.3	13.1	1970	1570	12	9.9	10.7	9.72	344	348	40.6
Selenium	9,400	ND	ND	0	0	0	0	0	0	0	0	0
Silver	9,400	ND	ND	0	0	0	0	0	0	0	0	0
Thallium	150	ND	ND	0	0	0	0	0	0	0	0	0
Vanadium	13,000	31.7	32.2	27.9	25.3	25.4	22.8	25.6	25.6	29.1	27.9	23.2
Zinc	100,000	57.6	46.1	80.1	59.6	52.2	38.2	44.6	42.5	152	149	51.9

- Notes:
1. All data reported as constituent concentrations in mg/kg
 2. PRG denotes Preliminary Remediation Goals for soils at industrial sites. See "Region 9 Preliminary Remediation Goals 1998" [Smucker, S.J., et al.]
 3. For borehole constituent concentrations, see Appendix B of this report.
 4. BG denotes the Background Borehole BH-9.
 5. BH-3, 0'-1' etc. refers to: (a) Borehole No.; and (b) Depth Interval of Sample (ft) (i.e., BH-3 from 0 ft to 1 ft depth).
 6. A numerical value of 0 in the table indicates Non-Detect (ND).
 7. Generally, arsenic concentrations are below background, therefore only the non-cancer PRG is shown.
 8. (D) designates a duplicate sample.

TABLE 1-D
SUMMARY OF SUBSURFACE SOIL TEST RESULTS
METALS CONCENTRATIONS
POMONA PLATING, POMONA, CALIFORNIA

	<i>PRGs</i>	<i>BG</i> <i>BH-9 0'-1'</i>	<i>BG</i> <i>BH-9 2'-3'</i>	BH-15 0'-1'	BH-15 2'-3'	BH-16 0'-1'	BH-16 2'-3'	BH-17 0'-1'	BH-17 2'-3'	BH-18 0'-1'	BH-18 2'-3'	BH-19 0'-1'	BH-19 2'-3'	
Antimony	750	ND	ND	0	0	0	0	0	0	0	0	0	0	0
Arsenic	480	4.54	1.52	1.52	0.86	1.36	0	1.15	1.26	1.73	0.86	1.28	1.91	
Barium	100,000	65.4	63.5	56.6	54.3	50.3	47.4	55.5	58.1	49.3	49.2	33.2	41.5	
Beryllium	3,400	0.5	0.5	0.42	0.4	0.42	0.39	0.43	0.43	0.34	0.42	0	0.32	
Cadmium	930	1.44	1.43	1.46	1.25	1.26	1.2	1.36	1.35	1.3	1.12	2.75	1.39	
Chromium	450	18.7	18.4	16.4	15.6	15.4	14.2	16.8	17.1	29.8	13.4	37.4	14.1	
Cobalt	29,000	8.88	9.35	10.9	8.91	7.55	7.22	8.84	8.37	7.08	8.53	10.4	7.24	
Copper	70,000	21.3	17.3	17.5	16.7	13.8	13.5	17.2	18.1	432	299	1680	278	
Lead	1,000	8.76	5.41	12.7	8.37	10.4	6.43	12.7	12.8	19.8	5.25	79.9	6.6	
Molybdenum	9,400	ND	ND	0	0	0	0	0	0	0	0	0	0	
Nickel	37,000	13.3	13.1	13.7	10.9	10.6	10.2	11.2	11.7	260	104	3010	722	
Selenium	9,400	ND	ND	0	0	0	0	0	0	0	0	0	0	
Silver	9,400	ND	ND	0	0	0	0	0	0	0	0	0.72	0	
Thallium	150	ND	ND	0	0	0	0	0	0	0	0	0	0	
Vanadium	13,000	31.7	32.2	27	25.4	26.8	24.7	28	27.4	23.1	25.2	12.6	21	
Zinc	100,000	57.6	46.1	84.6	89.7	50.4	50.9	59.6	63.9	110	65.2	530	119	

- Notes:
1. All data reported as constituent concentrations in mg/kg
 2. PRG denotes Preliminary Remediation Goals for soils at industrial sites. See "Region 9 Preliminary Remediation Goals 1998" [Smucker, S.J., et al.]
 3. For borehole constituent concentrations, see Appendix B of this report.
 4. BG denotes the Background Borehole BH-9.
 5. BH-3, 0'-1' etc. refers to: (a) Borehole No.; and (b) Depth Interval of Sample (ft) (i.e., BH-3 from 0 ft to 1 ft depth).
 6. A numerical value of 0 in the table indicates Non-Detect (ND).
 7. Generally, arsenic concentrations are below background, therefore only the non-cancer PRG is shown.
 8. (D) designates a duplicate sample.

TABLE 2
SUBSURFACE SOIL SAMPLING RESULTS ANALYSIS
POMONA PLATING, POMONA, CALIFORNIA

	PRGs (Industrial Sites)		Background BH-9 0'-1'	Background BH-9 2'-3'		AVERAGE mg/kg	HIGH mg/kg
Antimony	750		ND	ND		0.20	1.27
Arsenic	480		4.54	1.52		1.45	8.57
Barium	100,000		65.4	63.5		52.5	63.6
Beryllium	3,400		0.5	0.5		0.39	0.48
Cadmium	930		1.44	1.43		1.25	2.75
Chromium	450		18.7	18.4		22.1	66.9
Cobalt	29,000		8.88	9.35		8.35	13.5
Copper	70,000		21.3	17.3		234	1680
Lead	1,000		8.76	5.41		11.5	34.4
Molybdenum	9,400		ND	ND		0.01	0.33
Nickel	37,000		13.3	13.1		278	3013
Selenium	9,400		ND	ND		0	0
Silver	9,400		ND	ND		0.02	0.72
Thallium	150		ND	ND		0	0
Vanadium	13,000		31.7	32.2		25.5	32.4
Zinc	100,000		57.6	46.1		85.1	530

Notes: 1. All data reported as constituent concentrations in mg/kg
 2. For Preliminary Remediation Goals (PRGs) for soils at industrial sites, see "Region 9 Preliminary Remediation Goals 1998" [Smucker, S.J., et al.]
 3. For borehole constituent concentrations, see Table I and Appendix B of report.

"Region 9 Preliminary Remediation Goals 1998" Smucker, S.J., et al]. For example in California the background range for arsenic in soil is 0.59 to 11 mg/kg. This compares to the site specific values measured in the background borehole BH-9 of 4.54 mg/kg in the 0 to 1 ft range and 1.52 in the 2 to 3 ft range. Note also that the arsenic concentrations measured in soil from other boreholes is generally less than background or well within the range of background concentrations expected for California.

The range of background chrome concentrations in California soils is 23 to 1579 mg/kg. The BH-9 background chrome concentration is approximately 18.5 mg/kg. The average chrome concentration measured in the site boreholes is about 22.0 mg/kg. The highest concentration of chrome measured is 66.9 mg/kg. The average and the high values are both below the average California background and well below the 450 mg/kg Preliminary Remediation Goal for chrome in soils at industrial sites.

The range of background nickel concentrations in California soils is 9.0 to 509 mg/kg. The BH-9 background nickel concentration is approximately 13 mg/kg. In about half of the other site boreholes the nickel concentration was below the BH-9 background. The overall average nickel concentration measured in the site boreholes is about 278 mg/kg. This is within the average California background and well below the 37,000 mg/kg Preliminary Remediation Goal for nickel in soils at industrial sites. The highest concentration of nickel measured is 3013 mg/kg. This is less than one tenth of the 37,000 mg/kg Preliminary Remediation Goal for nickel in soils at industrial sites.

Statewide background concentrations of copper and lead in soil are not provided by the EPA [Smucker S.J., et al]. The site specific background concentration of copper as measured in BH-9 is between 17 and 21 mg/kg. The average copper concentration in the site boreholes (not including BH-9) is 234 mg/kg with a high value of 1680 mg/kg. These values are well below the 70,000 mg/kg Preliminary Remediation Goal for copper in soils at industrial sites.

The site specific background concentration of lead as measured in BH-9 is between 5 and 9 mg/kg. The average lead concentration in the site boreholes is 11 mg/kg with a high value of 34 mg/kg. These values are well below the 1,000 mg/kg Preliminary Remediation Goal for lead in soils at industrial sites.

Similar comparisons for the remaining metals establish that the measured concentrations for all of the constituents in all the boreholes are well below the Preliminary Remediation Goals for soils at industrial sites.

6. CONCLUSIONS

The approved site specific action level for this site was established as an exceedance of one or more measured constituents of the USEPA Region 9 Preliminary Remediation Goals for soils at industrial sites. The soil sampling and testing data indicate no exceedances of the site specific action level. Therefore, in accordance with the requirements set forth in the USEPA Order, no further action should be required with respect to the subsurface soils at the Pomona Plating site.

POMONA PLATING SITE
POMONA, CALIFORNIA

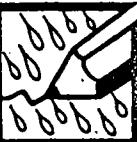
**SUBSURFACE
SOIL SAMPLING
REPORT**

APPENDIX A

FIELD NOTES



"Rite in the Rain"
ALL-WEATHER WRITING PAPER



Name JACK CALDWELL
GEOSYNTEC
Address 2100 MAIN ST - 150
HUNTINGTON BEACH, CA,
Phone (714) 969-0800
Project HR0228-01

PLEASE RETURN IF FOUND

8h926

POMONA PLATING HR0228-01 10/27/93 ①

0700 - Arrive onsite. meet Caskey, Tim w/ Stiprogram environmental - Start setting up sample equipment and mark locations
0730 - Review HR0228 and walk site.

0800 - Start coring AREA 7, AREA 8
0810 - SAMPLE AREA 7-0-1
0815 - SAMPLE AREA 8-0-1
0825 SAMPLE AREA 7-2-3 (ROCK @ 2')
0830 SAMPLE AREA 8-2-3 (ROCK @ 2')
0920 - Start coring in AREA 1 / A, B, C, D, E, F
0930 SAMPLE AREA 1-0-1'
0935 SAMPLE AREA 1-2-3'
0945 Sample AREA 2-0'-1'
0950 Sample AREA 2-2'-3'
1000 Sample AREA 3-0-1'
1010 Sample AREA 3-2-3'
1020 Sample AREA 4-0-1'
1030 Sample AREA 4-2-3'
1040 Sample AREA 5-0-1'
1045 Sample AREA 5-2-3?
1045 Sample AREA 35-2-3) (CONT. ON PAGE 7)
ALERA 35-2-3 159
duplicate of AREA 5-2-3

POMONA PLATING

HR0228-01 10/22/98

(2)

Soil descriptions

AREA 1 - Moist, mcd-dense to loose, dark brown, silty f. SAND, w. trace subrounded mod-coarse gravel, tr. cobbles

AREA 3 - Increased silt content, tr. clay

AREA 7/8/2/4/6 Same as AREA 1

AREA 5 Same as AREA 3

~~-10/23/98~~

AREA 9 Moist, light brown, f-m. SAND,
w/ some fine gravel (FILL)

AREA 14/12/11/ (See notes that
follow)

(3)

POMONA PLATING HR0228-01

Oct. 22, 98

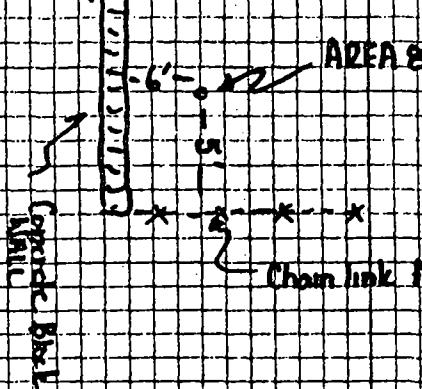
AREA-8 0-3" Asphalt

3"-2'8" - Soil

@ SW corner of parking lot. Loose soil on top
of asphalt was contaminated according to previous testing.

"NORTO SCALE

AREA 8



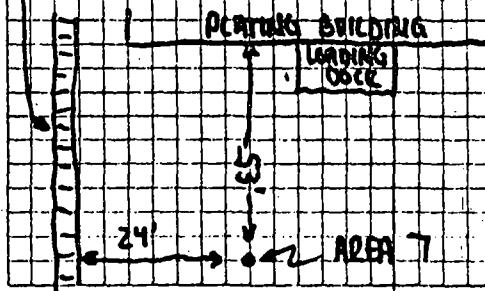
AREA 7 0-2" Asphalt

2"-2'10" SOIL

In parking lot, down gradient of loading dock.
Staining monitored on asphalt surface. Previous
location of metal and debris scraped from building.

PLATEAU BUILDING

LOADING
DOCK

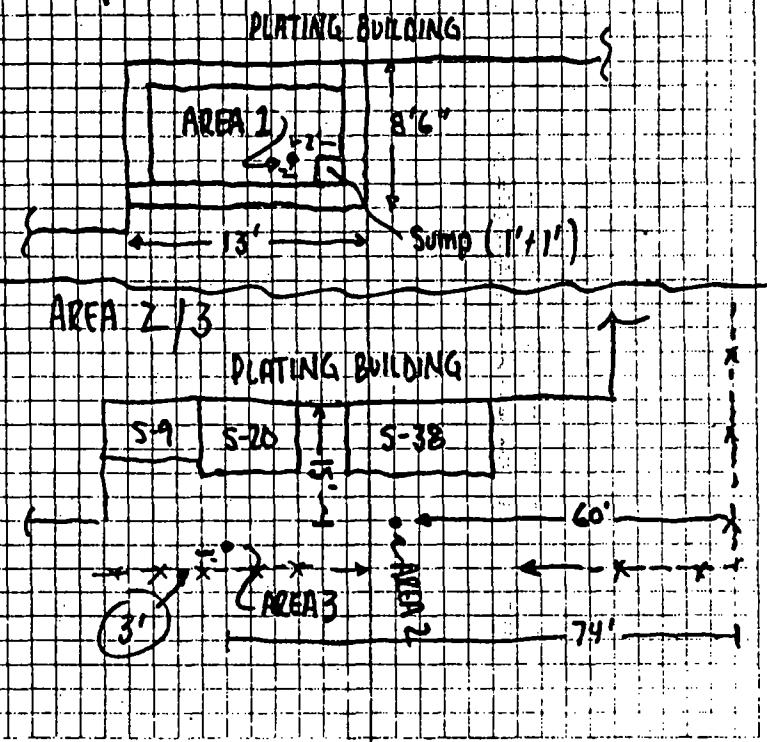


POMONA PLATING HRO228-01 Oct 22, 98

(4)

AREA 1 0'-0" - degraded Concrete
1'-0" - Asphalt
5"-2'10" - Soil

In containment area (S-9). Poly fiber coating was sprayed on the floor and walls. Coating monitored on the floor is cracked and broken. Concrete in the base is completely degraded, asphalt appears to be in good shape.



DONOMA PLATING HRO228-01 Oct 22, 98

(5)

AREA 2 cont. 0"-4"- ASPHALT

4"-2 1/2"- SOIL

AREA South E 5-38 in asphalt walk way

AREA 3 - 3' inside perimeter fence, near S-26

AREA 4 ~~15'~~ ^{20'}

0"-5"- ASPHALT

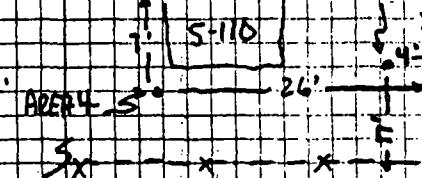
5"-2" 10"- SOIL

C location of S-110, near capped sewer line

AREA 5 0"-2.5"- ASPHALT

2.5"-2" 10"- SOIL

PLATING BUILDING



AREA 5 - C location 5-110 inside of south
perimeter fence, previous location of 55 gal. drums
and misc. product drums

POMONA PLATING HR0228-01

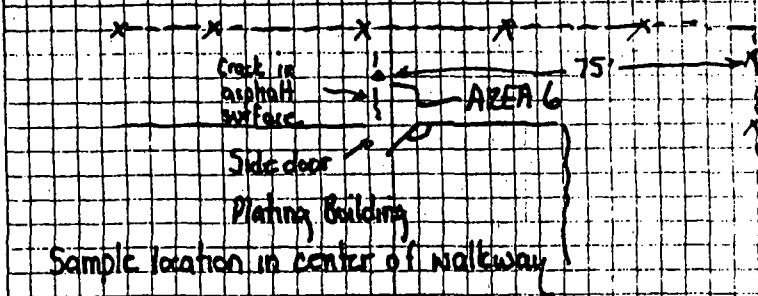
Oct 22, 98

(6)

AREA 6 0-2.5" - Asphalt

2.5"-2 1/4" - Soil (Refusal @ 26.4 in.)

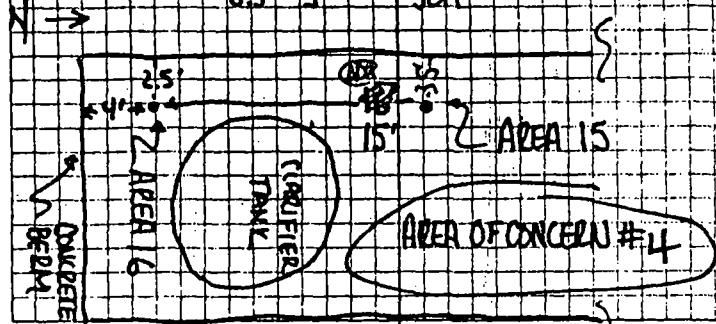
C of walkway on the west side of the building.
The asphalt surface is covered w/ unknown yellowish
material.



AREA 15 0-8.5" - Concrete

8.5"-2'10" - Soil (Refusal @ 2'10")

AREA 16 0-8.5" - Concrete
8.5"-3' - Soil



(7)

POMONA PLATING H20228-01 Oct 22, 98

Sample times cont. from page 1

1045 Sample	AREA 16-0-1
1055 Sample	AREA 16-2-3
1220 Sample	AREA 15-0-1
1230 Sample	AREA 15-2-3
1310 Sample	AREA 16-0-1
1325 Sample	AREA 16-2-3
1340 Sample	AREA 13-0-1
1350 Sample	AREA 13-2-3
1400 Sample	AREA 10-0-1
* 1410 Sample	AREA 10-2-3 } Dop.
> 1415 Sample	AREA 10-2-3 }
Sample AREA 10-2-3 is a duplicate of AREA 10-2-3	
1425 Sample	AREA 17-0-1
1435 Sample	AREA 17-2-3

END OF SAMPLING
ON THIS DAY

POMONA PLATING HR0228-01

Oct 22, 98

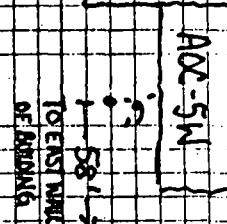
(8)

AREA 13 0-4" - CONCRETE

4"-2 1/2"- SOIL

located in the "North bay" just South of the
main process line

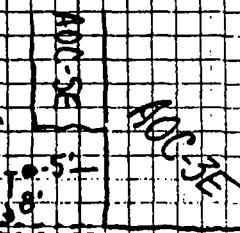
ADC-4



AREA 10 0-4" - CONCRETE

4"-2 1/2"- SOIL

located in the North Bay just south of the main
process line and near the large rolling metal equipment
entrance.



? Equipment entrance
rolling metal door

POMONA PLATING

HR0228-01

Oct 22, 98

(9)

AREA F7

- CONCRETE

- SOIL

located in the South Bay @ the location of the
bagged filter press sludge.

LOADING
DOCK

48' -
AREA R

POMONA PLATING HPO228-01 Oct 23, 98

(16)

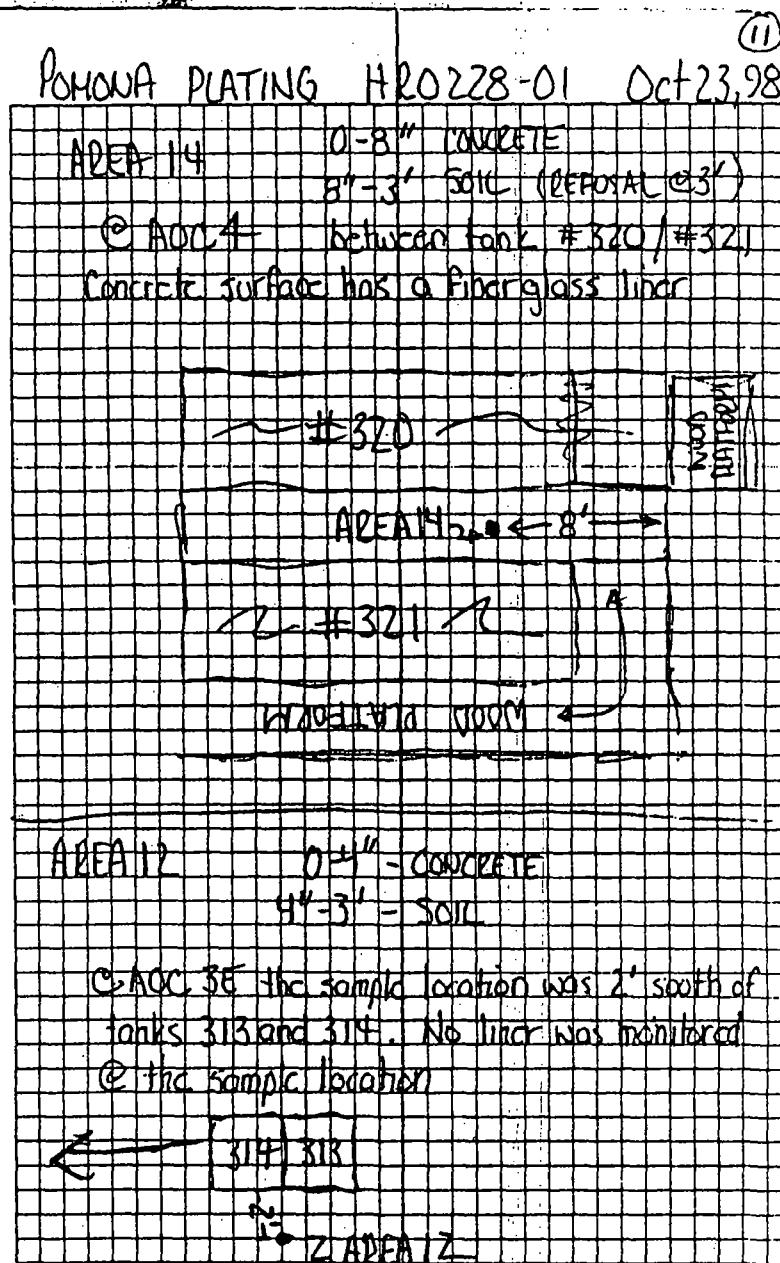
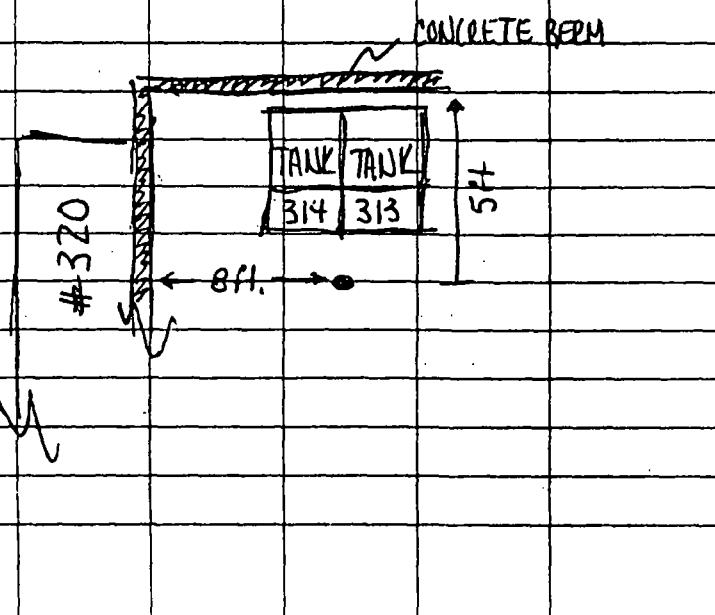
- 0700 - Arrive onsite, gate is locked
0800 - Gate opened, start set up for sampling
- Start coring in AOC-3W

Sample Times

0950 Sample AREA 14-0-1
0955 Sample AREA 14-0-1
1000 Sample AREA 14-2-3

AREA 14-0-1 is a Duplicate of AREA 14-0-1

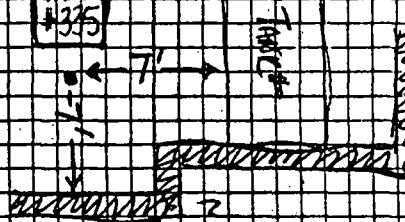
1010 Sample AREA 12-0-1
1020 Sample AREA 12-2-3
1030 Sample AREA 11-0-1
1040 Sample AREA 11-2-3
1050 Sample AREA 18-C-1
1100 Sample AREA 18-2-3
1125 Sample AREA 19-0-1
1135 Sample AREA 19-2-3
1140 RINSATE SAMPLE (AUGER / BOWL)
1165 BG-0-1 ? BACK GROUND SAMPLE
1170 BG-2-3 ? BACK GROUND SAMPLE



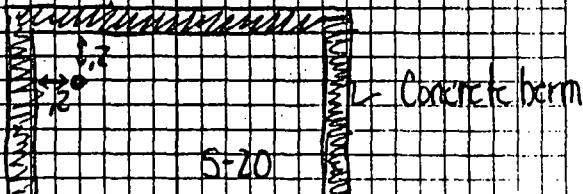
(12)

POMONA PLATING HP0278-01 Oct 23, 98

AREA 11 0-4" CONCRETE

4"-8" SOIL (green staining noted on the top and bottom of the concrete core.)
HCl odor noted in top sample.② ANC 3E 7ft. off the south perimeter
concrete berm and 2 ft. south of tank #3BSNO LINER IN
SAMPLE AREATANK
#35

AREA 18 19 0-2" = CONCRETE

(ANC) 3-6" = ASPHALT
6"-312" = SOIL (SAND AND GRAVEL)③ ANC. 5-20 Green staining was monitored
on the surface of the concrete. Most of the
concrete is fractured or missing.

Plating Building

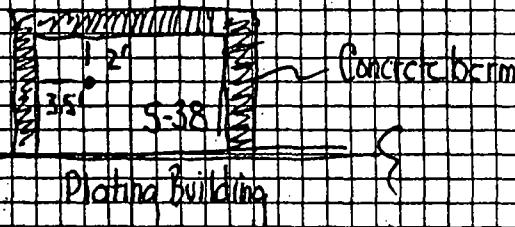
(13)

POMONA PLATING HR0228-01 Oct 23, 98

AREA 18 0-4" - CONCRETE ASPHALT

4" + 2'8" = SOIL

• AOL 5-38 inside of ~~rectangle~~ with data
Staining on asphalt surface. (1) Sample location



BACK GROUND SAMPLE

BG-0-1 / BG-02-3

Sample located in the front parking area, near
the entrance gate.

- ASPHALT

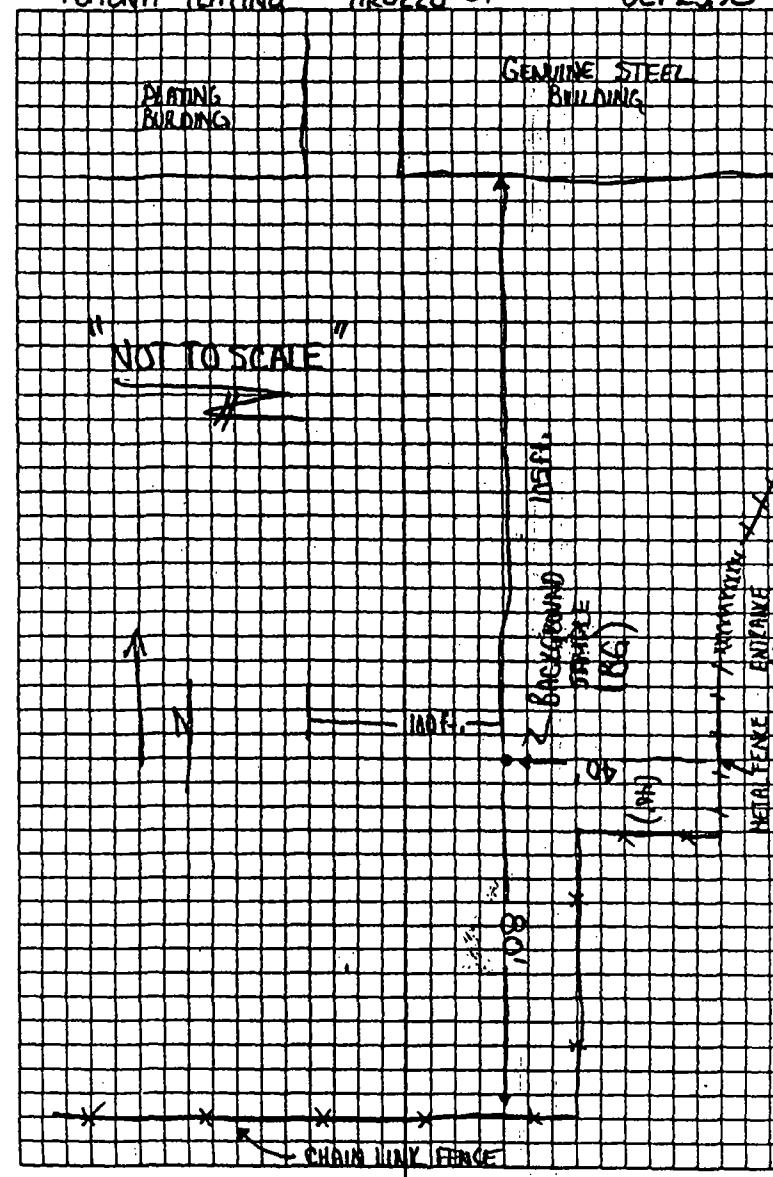
- SOIL

PONONA PLATING

HR0228-01

Oct 23, 98

(4)



POMONA PLATING SITE
POMONA, CALIFORNIA

**SUBSURFACE
SOIL SAMPLING
REPORT**

APPENDIX B

**CALSCIENCE LABORATORY
RESULTS**





October 30, 1998

Jack Caldwell
GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Subject: **Calscience Work Order Number:** 98-10-0606
Client Reference: Pomona Plating/HR0228-01

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/23/98 and analyzed in accordance with the attached chain-of-custody.

The results in this analytical report are limited to the samples tested, and any reproduction of this report must be made in its entirety.

If you have any questions regarding this report, require sampling supplies or field services, or information on our analytical services, please feel free to call me at (714) 895-5494.

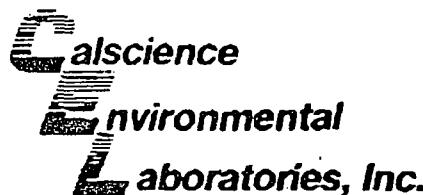
Sincerely,

A handwritten signature in black ink that appears to read "Don Burley".

Calscience Environmental
Laboratories, Inc.
Don Burley
Project Manager

A handwritten signature in black ink that appears to read "William H. Christensen".

William H. Christensen
Deliverables Manager



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 10/22/98
Date Received: 10/23/98
Date Analyzed: 10/26/98

Attn: Jack Caldwell
RE: Pomona Plating/HR0228-01

Work Order No.: 98-10-0606
Method: EPA 9045B
Page 1 of 2

All values are reported in pH units.

Sample Number	pH	Reporting Limit
AREA 7-0-1	6.60	0.01
AREA 8-0-1	5.94	0.01
AREA 7-2-3	7.45	0.01
AREA 8-2-3	5.92	0.01
AREA 1-0-1	4.58	0.01
AREA 1-2-3	4.47	0.01
AREA 2-0-1	5.99	0.01
AREA 2-2-3	5.93	0.01
AREA 3-0-1	6.83	0.01
AREA 3-2-3	7.04	0.01
AREA 4-0-1	7.22	0.01
AREA 4-2-3	7.31	0.01
AREA 5-0-1	6.78	0.01
AREA 5-2-3	6.84	0.01
AREA 35-2-3	6.84	0.01
AREA 6-0-1	7.32	0.01
AREA 6-2-3	7.46	0.01
AREA 15-0-1	6.98	0.01
AREA 15-2-3	6.75	0.01
AREA- 40-2-3	7.08	0.01
AREA 16-0-1	7.42	0.01
AREA 16-2-3	7.14	0.01



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 10/22-23/98
Date Received: 10/23/98
Date Analyzed: 10/26/98

Attn: Jack Caldwell
RE: Pomona Plating/HR0228-01

Work Order No.: 98-10-0606
Method: EPA 9045B
Page 2 of 2

All values are reported in pH units.

<u>Sample Number</u>	<u>pH</u>	<u>Reporting Limit</u>
AREA 13-0-1	7.21	0.01
AREA 13-2-3	7.09	0.01
AREA 10-0-1	6.73	0.01
AREA 10-2-3	7.10	0.01
AREA 17-0-1	7.14	0.01
AREA 17-2-3	7.07	0.01
AREA 12-0-1	6.59	0.01
AREA 12-2-3	7.11	0.01
AREA 11-0-1	6.95	0.01
AREA 11-2-3	5.95	0.01
AREA 18-0-1	8.22	0.01
AREA 18-2-3	6.44	0.01
AREA 19-0-1	6.99	0.01
AREA 19-2-3	6.34	0.01
BG-0-1	6.65	0.01
BG-2-3	6.96	0.01
AREA 44-0-1	6.66	0.01
AREA 14-0-1	6.82	0.01
AREA 14-2-3	8.80	0.01

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 10/22-23/98
Date Received: 10/23/98
Date Analyzed: 10/26/98

Attn: Jack Caldwell
RE: Pomona Plating/HR0228-01

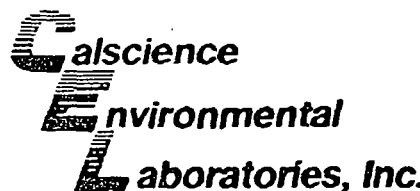
Work Order No.: 98-10-0606
Method: EPA 9045B
Page 2 of 2

All values are reported in pH units.

<u>Sample Number</u>	<u>pH</u>	<u>Reporting Limit</u>
AREA 13-0-1	7.21	0.01
AREA 13-2-3	7.09	0.01
AREA 10-0-1	6.73	0.01
AREA 10-2-3	7.10	0.01
AREA 17-0-1	7.14	0.01
AREA 17-2-3	7.07	0.01
AREA 12-0-1	6.59	0.01
AREA 12-2-3	7.11	0.01
AREA 11-0-1	6.95	0.01
AREA 11-2-3	5.95	0.01
AREA 18-0-1	8.22	0.01
AREA 18-2-3	6.44	0.01
AREA 19-0-1	6.99	0.01
AREA 19-2-3	6.34	0.01
BG-0-1	6.65	0.01
BG-2-3	6.96	0.01
AREA 44-0-1	6.66	0.01
AREA 14-0-1	6.82	0.01
AREA 14-2-3	8.80	0.01

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 10/23/98
Date Received: 10/23/98
Date Analyzed: 10/26/98

Attn: Jack Caldwell
RE: Pomona Plating/HR0228-01

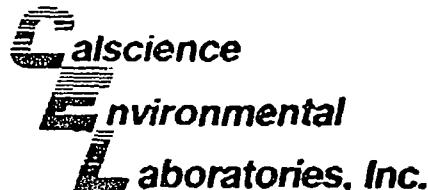
Work Order No.: 98-10-0606
Method: EPA 150.1
Page 1 of 1

All values are reported in pH units.

<u>Sample Number</u>	<u>pH</u>	<u>Reporting Limit</u>
RINSATE	8.14	0.01

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.



ANALYTICAL REPORT

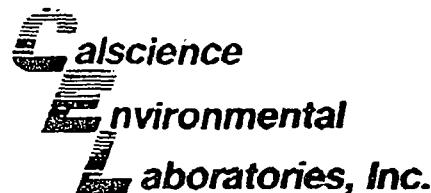
GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 10/22/98
Date Received: 10/23/98
Date Digested: 10/27-28/98
Date Analyzed: 10/28/98
Work Order No.: 98-10-0606
Method: EPA 7471A
Page 1 of 2

Attn: Jack Caldwell
RE: Pomona Plating/HR0228-01

All concentrations are reported in mg/kg (ppm). Analyses for mercury were conducted on a total digestion.

<u>Sample Number</u>	<u>Mercury Concentration</u>	<u>Reporting Limit</u>
AREA 7-0-1	ND	0.25
AREA 8-0-1	ND	0.25
AREA 7-2-3	ND	0.25
AREA 8-2-3	ND	0.25
AREA 1-0-1	ND	0.25
AREA 1-2-3	ND	0.25
AREA 2-0-1	ND	0.25
AREA 2-2-3	ND	0.25
AREA 3-0-1	ND	0.25
AREA 3-2-3	ND	0.25
AREA 4-0-1	ND	0.25
AREA 4-2-3	ND	0.25
AREA 5-0-1	ND	0.25
AREA 5-2-3	ND	0.25
AREA 35-2-3	ND	0.25
AREA 6-0-1	ND	0.25
AREA 6-2-3	ND	0.25
AREA 15-0-1	ND	0.25
AREA 15-2-3	ND	0.25
AREA 40-2-3	ND	0.25
AREA 16-0-1	ND	0.25
AREA 16-2-3	ND	0.25



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 10/22-23/98
Date Received: 10/23/98
Date Digested: 10/27-28/98
Date Analyzed: 10/28/98
Work Order No.: 98-10-0606
Method: EPA 7471A
Page 2 of 2

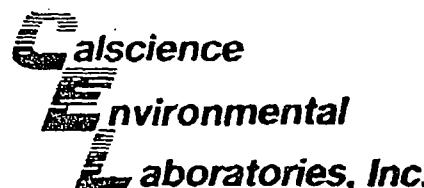
Attn: Jack Caldwell
RE: Pomona Plating/HR0228-01

All concentrations are reported in mg/kg (ppm). Analyses for mercury were conducted on a total digestion.

<u>Sample Number</u>	<u>Mercury Concentration</u>	<u>Reporting Limit</u>
AREA 13-0-1	ND	0.25
AREA 13-2-3	ND	0.25
AREA 10-0-1	ND	0.25
AREA 10-2-3	ND	0.25
AREA 17-0-1	ND	0.25
AREA 17-2-3	ND	0.25
AREA 12-0-1	ND	0.25
AREA 12-2-3	ND	0.25
AREA 11-0-1	ND	0.25
AREA 11-2-3	ND	0.25
AREA 18-0-1	ND	0.25
AREA 18-2-3	ND	0.25
AREA 19-0-1	ND	0.25
AREA 19-2-3	ND	0.25
BG-0-1	ND	0.25
BG-2-3	ND	0.25
AREA 44-0-1	ND	0.25
AREA 14-0-1	ND	0.25
AREA 14-2-3	ND	0.25
Method Blank #1	ND	0.25
Method Blank #2	ND	0.25
Method Blank #3	ND	0.25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.



ANALYTICAL REPORT

GeoSyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648

Date Sampled: 10/23/98
Date Received: 10/23/98
Date Digested: 10/27/98
Date Analyzed: 10/28/98
Work Order No.: 98-10-0606
Method: EPA 7470A
Page 1 of 1

Attn: Jack Caldwell
RE: Pomona Plating/HR0228-01

All concentrations are reported in mg/L (ppm). Analyses for mercury were conducted on a total digestion.

<u>Sample Number</u>	<u>Mercury Concentration</u>	<u>Reporting Limit</u>
RINSATE	ND	0.0005
Method Blank	ND	0.0005

ND denotes not detected at indicated reportable limit.

- Each sample was received by CEL chilled, intact, and with chain-of-custody attached.



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
 Project ID: Pomona Plating/HR0228-01
 Work Order Number: 98-10-0606
 QC Batch ID: 981026lcs2
 Matrix: Solid
 Preparation: Total Digestion
 Method: EPA 6010B

Date Collected: 10/22/98
 Date Received: 10/23/98
 Date Prepared: 10/26/98
 Date Analyzed: 10/27/98

Client Sample Number: AREA 1-0-1
 Lab Sample Number: 98-10-0606-5

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	0.79	0.75		mg/kg
Arsenic	0.78	0.75		mg/kg
Barium	49.6	0.50		mg/kg
Beryllium	0.37	0.25		mg/kg
Cadmium	1.08	0.50		mg/kg
Chromium (Total)	33.1	0.25		mg/kg
Cobalt	6.97	0.25		mg/kg
Copper	558	0.25		mg/kg
ad	34.4	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	159	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	24.4	0.25		mg/kg
Zinc	51.9	1.00		mg/kg

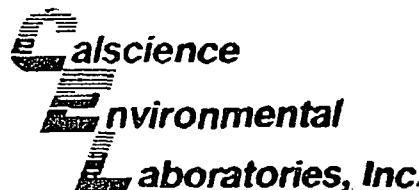


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating/HR0228-01		
Work Order Number:	98-10-0606		
QC Batch ID:	981026lcs2	Date Collected:	10/22/98
Matrix:	Solid	Date Received:	10/23/98
Preparation:	Total Digestion	Date Prepared:	10/26/98
Method:	EPA 6010B	Date Analyzed:	10/27/98

Client Sample Number: AREA 1-2-3
Lab Sample Number: 98-10-0606-6

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.03	0.75		mg/kg
Barium	61.7	0.50		mg/kg
Beryllium	0.43	0.25		mg/kg
Cadmium	1.19	0.50		mg/kg
Chromium (Total)	22.5	0.25		mg/kg
Cobalt	9.72	0.25		mg/kg
Copper	879	0.25		mg/kg
ad	25.0	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	204	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	26.2	0.25		mg/kg
Zinc	57.4	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
 Project ID: Pomona Plating/HR0228-01
 Work Order Number: 98-10-0606
 QC Batch ID: 981026lcs2
 Matrix: Solid
 Preparation: Total Digestion
 Method: EPA 6010B

Date Collected: 10/22/98
 Date Received: 10/23/98
 Date Prepared: 10/26/98
 Date Analyzed: 10/27/98

Client Sample Number: AREA 2-0-1
 Lab Sample Number: 98-10-0606-7

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	2.23	0.75		mg/kg
Barium	51.1	0.50		mg/kg
Beryllium	0.39	0.25		mg/kg
Cadmium	1.08	0.50		mg/kg
Chromium (Total)	16.6	0.25		mg/kg
Cobalt	12.7	0.25		mg/kg
Copper	135	0.25		mg/kg
Lead	6.83	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	379	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	23.9	0.25		mg/kg
Zinc	75.0	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating/HR0228-01		
Work Order Number:	98-10-0606		
QC Batch ID:	981026lcs3	Date Collected:	10/23/98
Matrix:	Solid	Date Received:	10/23/98
Preparation:	Total Digestion	Date Prepared:	10/26/98
Method:	EPA 6010B	Date Analyzed:	10/27/98

Client Sample Number: BG-0-1
Lab Sample Number: 98-10-0606-38

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	4.54	0.75		mg/kg
Barium	65.4	0.50		mg/kg
Beryllium	0.50	0.25		mg/kg
Cadmium	1.44	0.50		mg/kg
Chromium (Total)	18.7	0.25		mg/kg
Cobalt	8.88	0.25		mg/kg
Copper	21.3	0.25		mg/kg
Lead	8.76	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	13.3	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	31.7	0.25		mg/kg
Zinc	57.6	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating/HR0228-01		
Work Order Number:	98-10-0606		
QC Batch ID:	981026lcs3	Date Collected:	10/23/98
Matrix:	Solid	Date Received:	10/23/98
Preparation:	Total Digestion	Date Prepared:	10/26/98
Method:	EPA 6010B	Date Analyzed:	10/27/98

Client Sample Number: BG-2-3
Lab Sample Number: 98-10-0606-39

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.52	0.75		mg/kg
Barium	63.5	0.50		mg/kg
Beryllium	0.50	0.25		mg/kg
Cadmium	1.43	0.50		mg/kg
Chromium (Total)	18.4	0.25		mg/kg
Cobalt	9.35	0.25		mg/kg
Copper	17.3	0.25		mg/kg
Lead	5.41	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	13.1	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	32.2	0.25		mg/kg
Zinc	46.1	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	10/22/98
Date Received:	10/23/98
Date Prepared:	10/26/98
Date Analyzed:	10/27/98

Client Sample Number: AREA 2-2-3
Lab Sample Number: 98-10-0606-8

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.54	0.75		mg/kg
Barium	39.4	0.50		mg/kg
Beryllium	0.36	0.25		mg/kg
Cadmium	0.94	0.50		mg/kg
Chromium (Total)	12.6	0.25		mg/kg
Cobalt	8.20	0.25		mg/kg
Copper	184	0.25		mg/kg
ad	4.65	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	89.4	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	20.3	0.25		mg/kg
Zinc	64.2	1.00		mg/kg

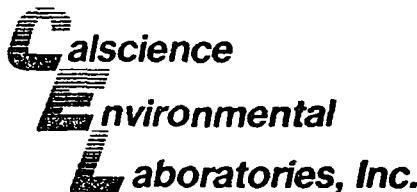


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs2 Date Collected: 10/22/98
Matrix: Solid Date Received: 10/23/98
Preparation: Total Digestion Date Prepared: 10/26/98
Method: EPA 6010B Date Analyzed: 10/27/98

Client Sample Number: AREA 3-0-1
Lab Sample Number: 98-10-0606-9

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.65	0.75		mg/kg
Barium	60.1	0.50		mg/kg
Beryllium	0.48	0.25		mg/kg
Cadmium	1.43	0.50		mg/kg
Chromium (Total)	20.3	0.25		mg/kg
Cobalt	10.1	0.25		mg/kg
Copper	32.8	0.25		mg/kg
Lead	9.39	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	72.6	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	30.7	0.25		mg/kg
Zinc	69.8	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: **AREA 3-2-3**
Lab Sample Number: 98-10-0606-10

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	0.84	0.75	3	mg/kg
Arsenic	ND	0.75		mg/kg
Barium	64.7	0.50	3	mg/kg
Beryllium	0.51	0.25		mg/kg
Cadmium	1.33	0.50		mg/kg
Chromium (Total)	22.9	0.25		mg/kg
Cobalt	10.5	0.25		mg/kg
Copper	33.2	0.25	3	mg/kg
Lead	6.54	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	264	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	32.4	0.25	3	mg/kg
Zinc	66.4	1.00	3	mg/kg

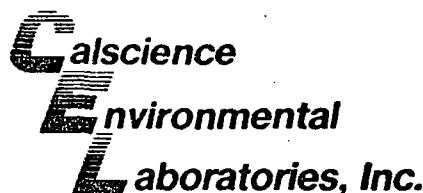


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs2 Date Collected: 10/22/98
Matrix: Solid Date Received: 10/23/98
Preparation: Total Digestion Date Prepared: 10/26/98
Method: EPA 6010B Date Analyzed: 10/27/98

Client Sample Number: AREA 4-0-1
Lab Sample Number: 98-10-0606-11

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	1.26	0.75		mg/kg
Arsenic	0.96	0.75		mg/kg
Barium	55.6	0.50		mg/kg
Beryllium	0.36	0.25		mg/kg
Cadmium	1.40	0.50		mg/kg
Chromium (Total)	73.1	0.25		mg/kg
Cobalt	8.23	0.25		mg/kg
Copper	410	0.25		mg/kg
Lead	12.7	0.50		mg/kg
Molybdenum	0.33	0.25		mg/kg
Nickel	529	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	24.3	0.25		mg/kg
Zinc	188	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs2 Date Collected: 10/22/98
Matrix: Solid Date Received: 10/23/98
Preparation: Total Digestion Date Prepared: 10/26/98
Method: EPA 6010B Date Analyzed: 10/27/98

Client Sample Number: AREA 4-2-3
Lab Sample Number: 98-10-0606-12

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	0.78	0.75		mg/kg
Arsenic	1.02	0.75		mg/kg
Barium	58.2	0.50		mg/kg
Beryllium	0.42	0.25		mg/kg
Cadmium	1.58	0.50		mg/kg
Chromium (Total)	26.2	0.25		mg/kg
Cobalt	8.29	0.25		mg/kg
Copper	354	0.25		mg/kg
Lead	11.4	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	210	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	27.8	0.25		mg/kg
Zinc	163	1.00		mg/kg

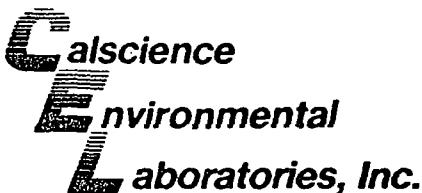


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating/HR0228-01		
Work Order Number:	98-10-0606		
QC Batch ID:	981026lcs2	Date Collected:	10/22/98
Matrix:	Solid	Date Received:	10/23/98
Preparation:	Total Digestion	Date Prepared:	10/26/98
Method:	EPA 6010B	Date Analyzed:	10/27/98

Client Sample Number: AREA 5-0-1
Lab Sample Number: 98-10-0606-13

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.53	0.75		mg/kg
Barium	52.0	0.50		mg/kg
Beryllium	0.40	0.25		mg/kg
Cadmium	1.25	0.50		mg/kg
Chromium (Total)	15.0	0.25		mg/kg
Cobalt	7.66	0.25		mg/kg
Copper	17.9	0.25		mg/kg
Lead	6.77	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	11.0	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.3	0.25		mg/kg
Zinc	79.2	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 5-2-3
Lab Sample Number: 98-10-0606-14

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	50.8	0.50		mg/kg
Beryllium	0.42	0.25		mg/kg
Cadmium	1.13	0.50		mg/kg
Chromium (Total)	15.4	0.25		mg/kg
Cobalt	7.80	0.25		mg/kg
Copper	14.4	0.25		mg/kg
Lead	4.05	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	11.0	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	27.3	0.25		mg/kg
Zinc	42.8	1.00		mg/kg



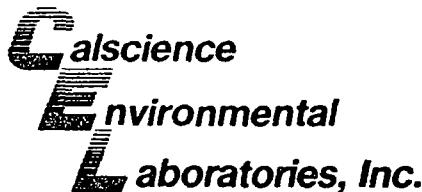
ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs2
Matrix: Solid
Preparation: Total Digestion
Method: EPA 6010B

Date Collected: 10/22/98
Date Received: 10/23/98
Date Prepared: 10/26/98
Date Analyzed: 10/27/98

Client Sample Number: AREA 35-2-3
Lab Sample Number: 98-10-0606-15

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	0.83	0.75		mg/kg
Barium	54.0	0.50		mg/kg
Beryllium	0.46	0.25		mg/kg
Cadmium	1.22	0.50		mg/kg
Chromium (Total)	16.4	0.25		mg/kg
Cobalt	8.59	0.25		mg/kg
Copper	15.3	0.25		mg/kg
Lead	4.63	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	11.1	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	30.3	0.25		mg/kg
Zinc	39.9	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: **AREA 6-0-1**
Lab Sample Number: 98-10-0606-16

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	5.44	0.75		mg/kg
Barium	35.8	0.50		mg/kg
Beryllium	0.29	0.25		mg/kg
Cadmium	0.91	0.50		mg/kg
Chromium (Total)	12.0	0.25		mg/kg
Cobalt	6.08	0.25		mg/kg
Copper	26.8	0.25		mg/kg
ad	6.15	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	60.0	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	18.7	0.25		mg/kg
Zinc	51.5	1.00		mg/kg

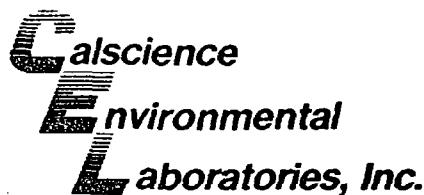


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 6-2-3
Lab Sample Number: 98-10-0606-17

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.36	0.75		mg/kg
Barium	42.8	0.50		mg/kg
Beryllium	0.36	0.25		mg/kg
Cadmium	1.03	0.50		mg/kg
Chromium (Total)	14.4	0.25		mg/kg
Cobalt	6.51	0.25		mg/kg
Copper	19.2	0.25		mg/kg
Lead	6.17	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	14.7	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	23.2	0.25		mg/kg
Zinc	68.1	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	10/22/98
Date Received:	10/23/98
Date Prepared:	10/26/98
Date Analyzed:	10/27/98

Client Sample Number: AREA 7-0-1
Lab Sample Number: 98-10-0606-1

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.38	0.75		mg/kg
Barium	51.5	0.50		mg/kg
Beryllium	0.34	0.25		mg/kg
Cadmium	1.13	0.50		mg/kg
Chromium (Total)	12.5	0.25		mg/kg
Cobalt	6.16	0.25		mg/kg
Copper	13.0	0.25		mg/kg
Lead	11.1	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	8.11	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	21.0	0.25		mg/kg
Zinc	53.6	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: **AREA 7-2-3**
Lab Sample Number: 98-10-0606-3

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	0.81	0.75		mg/kg
Arsenic	0.83	0.75		mg/kg
Barium	63.6	0.50		mg/kg
Beryllium	0.45	0.25		mg/kg
Cadmium	1.22	0.50		mg/kg
Chromium (Total)	15.4	0.25		mg/kg
Cobalt	8.33	0.25		mg/kg
Copper	14.8	0.25		mg/kg
Lead	5.27	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	12.1	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	28.3	0.25		mg/kg
Zinc	46.2	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 8-0-1
Lab Sample Number: 98-10-0606-2

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	1.08	0.75		mg/kg
Arsenic	8.57	0.75		mg/kg
Barium	42.7	0.50		mg/kg
Beryllium	0.41	0.25		mg/kg
Cadmium	1.54	0.50		mg/kg
Chromium (Total)	45.9	0.25		mg/kg
Cobalt	7.89	0.25		mg/kg
Copper	322	0.25		mg/kg
Lead	18.2	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	164	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.7	0.25		mg/kg
Zinc	90.6	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: **AREA 8-2-3**
Lab Sample Number: 98-10-0606-4

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	5.28	0.75		mg/kg
Barium	44.4	0.50		mg/kg
Beryllium	0.46	0.25		mg/kg
Cadmium	1.31	0.50		mg/kg
Chromium (Total)	17.6	0.25		mg/kg
Cobalt	6.41	0.25		mg/kg
Copper	503	0.25		mg/kg
Lead	6.18	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	86.6	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	29.0	0.25		mg/kg
Zinc	54.3	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 10-0-1
Lab Sample Number: 98-10-0606-25

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.22	0.75		mg/kg
Barium	54.8	0.50		mg/kg
Beryllium	0.41	0.25		mg/kg
Cadmium	1.20	0.50		mg/kg
Chromium (Total)	14.5	0.25		mg/kg
Cobalt	7.50	0.25		mg/kg
Copper	18.8	0.25		mg/kg
ad	11.0	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	32.5	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	26.1	0.25		mg/kg
Zinc	77.0	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: **AREA 10-2-3**
Lab Sample Number: **98-10-0606-26**

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	57.6	0.50		mg/kg
Beryllium	0.41	0.25		mg/kg
Cadmium	1.11	0.50		mg/kg
Chromium (Total)	14.9	0.25		mg/kg
Cobalt	7.71	0.25		mg/kg
Copper	14.0	0.25		mg/kg
ad	4.48	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	13.7	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.7	0.25		mg/kg
Zinc	41.6	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating/HR0228-01		
Work Order Number:	98-10-0606		
QC Batch ID:	981026lcs2	Date Collected:	10/22/98
Matrix:	Solid	Date Received:	10/23/98
Preparation:	Total Digestion	Date Prepared:	10/26/98
Method:	EPA 6010B	Date Analyzed:	10/27/98

Client Sample Number: **AREA 40-2-3**
Lab Sample Number: 98-10-0606-20

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	0.99	0.75		mg/kg
Barium	57.4	0.50		mg/kg
Beryllium	0.44	0.25		mg/kg
Cadmium	1.19	0.50		mg/kg
Chromium (Total)	15.9	0.25		mg/kg
Cobalt	8.05	0.25		mg/kg
Copper	15.0	0.25		mg/kg
Lead	4.49	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	17.8	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	27.9	0.25		mg/kg
Zinc	43.8	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 11-0-1
Lab Sample Number: 98-10-0606-31

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.67	0.75		mg/kg
Barium	54.7	0.50		mg/kg
Beryllium	0.44	0.25		mg/kg
Cadmium	0.97	0.50		mg/kg
Chromium (Total)	15.4	0.25		mg/kg
Cobalt	8.78	0.25		mg/kg
Copper	86.7	0.25		mg/kg
Lead	16.5	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	1970	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	27.9	0.25		mg/kg
Zinc	80.1	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	10/23/98
Date Received:	10/23/98
Date Prepared:	10/26/98
Date Analyzed:	10/27/98

Client Sample Number: AREA 11-2-3
Lab Sample Number: 98-10-0606-32

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	0.82	0.75		mg/kg
Barium	58.4	0.50		mg/kg
Beryllium	0.40	0.25		mg/kg
Cadmium	0.84	0.50		mg/kg
Chromium (Total)	18.1	0.25		mg/kg
Cobalt	8.19	0.25		mg/kg
Copper	20.1	0.25		mg/kg
Lead	5.61	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	1570	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.3	0.25		mg/kg
Zinc	59.6	1.00		mg/kg

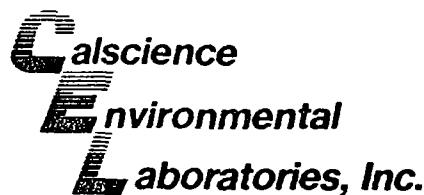


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 12-0-1
Lab Sample Number: 98-10-0606-29

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.78	0.75		mg/kg
Barium	58.1	0.50		mg/kg
Beryllium	0.39	0.25		mg/kg
Cadmium	1.23	0.50		mg/kg
Chromium (Total)	15.2	0.25		mg/kg
Cobalt	8.33	0.25		mg/kg
Copper	15.9	0.25		mg/kg
Lead	8.81	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	12.0	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.4	0.25		mg/kg
Zinc	52.2	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	10/23/98
Date Received:	10/23/98
Date Prepared:	10/26/98
Date Analyzed:	10/27/98

Client Sample Number: AREA 12-2-3
Lab Sample Number: 98-10-0606-30

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	0.96	0.75		mg/kg
Barium	58.8	0.50		mg/kg
Beryllium	0.38	0.25		mg/kg
Cadmium	1.07	0.50		mg/kg
Chromium (Total)	13.9	0.25		mg/kg
Cobalt	7.12	0.25		mg/kg
Copper	12.7	0.25		mg/kg
ad	4.25	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	9.90	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	22.8	0.25		mg/kg
Zinc	38.2	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants		
Project ID:	Pomona Plating/HR0228-01		
Work Order Number:	98-10-0606		
QC Batch ID:	981026lcs3	Date Collected:	10/22/98
Matrix:	Solid	Date Received:	10/23/98
Preparation:	Total Digestion	Date Prepared:	10/26/98
Method:	EPA 6010B	Date Analyzed:	10/27/98

Client Sample Number: AREA 13-0-1
Lab Sample Number: 98-10-0606-23

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.56	0.75		mg/kg
Barium	50.3	0.50		mg/kg
Beryllium	0.40	0.25		mg/kg
Cadmium	1.30	0.50		mg/kg
Chromium (Total)	15.1	0.25		mg/kg
Cobalt	8.27	0.25		mg/kg
Copper	15.7	0.25		mg/kg
Lead	9.37	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	10.7	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.6	0.25		mg/kg
Zinc	44.6	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 13-2-3
Lab Sample Number: 98-10-0606-24

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	59.0	0.50		mg/kg
Beryllium	0.42	0.25		mg/kg
Cadmium	1.08	0.50		mg/kg
Chromium (Total)	13.7	0.25		mg/kg
Cobalt	7.21	0.25		mg/kg
Copper	12.6	0.25		mg/kg
Lead	4.41	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	9.72	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.6	0.25		mg/kg
Zinc	42.5	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs4
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 14-0-1
Lab Sample Number: 98-10-0606-41

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	1.19	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	54.8	0.50		mg/kg
Beryllium	0.46	0.25		mg/kg
Cadmium	1.28	0.50		mg/kg
Chromium (Total)	56.9	0.25		mg/kg
Cobalt	9.27	0.25		mg/kg
Copper	1290	0.25		mg/kg
ad	10.9	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	344	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	29.1	0.25		mg/kg
Zinc	152	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 44-0-1
Lab Sample Number: 98-10-0606-40

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	1.23	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	55.9	0.50		mg/kg
Beryllium	0.43	0.25		mg/kg
Cadmium	1.28	0.50		mg/kg
Chromium (Total)	66.9	0.25		mg/kg
Cobalt	13.5	0.25		mg/kg
Copper	1260	0.25		mg/kg
Lead	10.3	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	348	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	27.9	0.25		mg/kg
Zinc	149	1.00		mg/kg

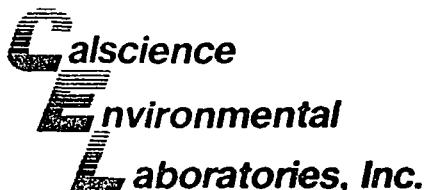


ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs4
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 14-2-3
Lab Sample Number: 98-10-0606-42

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.05	0.75		mg/kg
Barium	55.6	0.50		mg/kg
Beryllium	0.39	0.25		mg/kg
Cadmium	1.09	0.50		mg/kg
Chromium (Total)	18.6	0.25		mg/kg
Cobalt	6.99	0.25		mg/kg
Copper	44.5	0.25		mg/kg
ad	5.34	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	40.6	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	23.2	0.25		mg/kg
Zinc	51.9	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs2
Matrix: Solid
Preparation: Total Digestion
Method: EPA 6010B

Date Collected: 10/22/98
Date Received: 10/23/98
Date Prepared: 10/26/98
Date Analyzed: 10/27/98

Client Sample Number: AREA 15-0-1
Lab Sample Number: 98-10-0606-18

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.52	0.75		mg/kg
Barium	56.6	0.50		mg/kg
Beryllium	0.42	0.25		mg/kg
Cadmium	1.46	0.50		mg/kg
Chromium (Total)	16.4	0.25		mg/kg
Cobalt	10.9	0.25		mg/kg
Copper	17.5	0.25		mg/kg
Lead	12.7	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	13.7	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	27.0	0.25		mg/kg
Zinc	84.6	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs2
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	10/22/98
Date Received:	10/23/98
Date Prepared:	10/26/98
Date Analyzed:	10/27/98

Client Sample Number: **AREA 15-2-3**
Lab Sample Number: 98-10-0606-19

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	0.86	0.75		mg/kg
Barium	54.3	0.50		mg/kg
Beryllium	0.40	0.25		mg/kg
Cadmium	1.25	0.50		mg/kg
Chromium (Total)	15.6	0.25		mg/kg
Cobalt	8.91	0.25		mg/kg
Copper	16.7	0.25		mg/kg
Lead	8.37	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	10.9	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.4	0.25		mg/kg
Zinc	89.7	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs3 Date Collected: 10/22/98
Matrix: Solid Date Received: 10/23/98
Preparation: Total Digestion Date Prepared: 10/26/98
Method: EPA 6010B Date Analyzed: 10/27/98

Client Sample Number: AREA 16-0-1
Lab Sample Number: 98-10-0606-21

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.36	0.75		mg/kg
Barium	50.3	0.50		mg/kg
Beryllium	0.42	0.25		mg/kg
Cadmium	1.26	0.50		mg/kg
Chromium (Total)	15.4	0.25		mg/kg
Cobalt	7.55	0.25		mg/kg
Copper	13.8	0.25		mg/kg
Lead	10.4	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	10.6	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	26.8	0.25		mg/kg
Zinc	50.4	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/22/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 16-2-3
Lab Sample Number: 98-10-0606-22

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	47.4	0.50		mg/kg
Beryllium	0.39	0.25		mg/kg
Cadmium	1.20	0.50		mg/kg
Chromium (Total)	14.2	0.25		mg/kg
Cobalt	7.22	0.25		mg/kg
Copper	13.5	0.25		mg/kg
Lead	6.43	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	10.2	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	24.7	0.25		mg/kg
Zinc	50.9	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs3
Matrix: Solid
Preparation: Total Digestion
Method: EPA 6010B

Date Collected: 10/22/98
Date Received: 10/23/98
Date Prepared: 10/26/98
Date Analyzed: 10/27/98

Client Sample Number: AREA 17-0-1
Lab Sample Number: 98-10-0606-27

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.15	0.75		mg/kg
Barium	55.5	0.50		mg/kg
Beryllium	0.43	0.25		mg/kg
Cadmium	1.36	0.50		mg/kg
Chromium (Total)	16.8	0.25		mg/kg
Cobalt	8.84	0.25		mg/kg
Copper	17.2	0.25		mg/kg
Lead	12.7	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	11.2	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	28.0	0.25		mg/kg
Zinc	59.6	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs3 Date Collected: 10/22/98
Matrix: Solid Date Received: 10/23/98
Preparation: Total Digestion Date Prepared: 10/26/98
Method: EPA 6010B Date Analyzed: 10/27/98

Client Sample Number: AREA 17-2-3
Lab Sample Number: 98-10-0606-28

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.26	0.75		mg/kg
Barium	58.1	0.50		mg/kg
Beryllium	0.43	0.25		mg/kg
Cadmium	1.35	0.50		mg/kg
Chromium (Total)	17.1	0.25		mg/kg
Cobalt	8.37	0.25		mg/kg
Copper	18.1	0.25		mg/kg
Lead	12.8	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	11.7	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	27.4	0.25		mg/kg
Zinc	63.9	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 18-0-1
Lab Sample Number: 98-10-0606-33

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.73	0.75		mg/kg
Barium	49.3	0.50		mg/kg
Beryllium	0.34	0.25		mg/kg
Cadmium	1.30	0.50		mg/kg
Chromium (Total)	29.8	0.25		mg/kg
Cobalt	7.08	0.25		mg/kg
Copper	432	0.25		mg/kg
Lead	19.8	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	260	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	23.1	0.25		mg/kg
Zinc	110	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
Date Collected:	10/23/98
Date Received:	10/23/98
Date Prepared:	10/26/98
Date Analyzed:	10/27/98

Client Sample Number: AREA 18-2-3
Lab Sample Number: 98-10-0606-34

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	0.86	0.75		mg/kg
Barium	49.2	0.50		mg/kg
Beryllium	0.42	0.25		mg/kg
Cadmium	1.12	0.50		mg/kg
Chromium (Total)	13.4	0.25		mg/kg
Cobalt	8.53	0.25		mg/kg
Copper	299	0.25		mg/kg
Lead	5.25	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	104	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	25.2	0.25		mg/kg
Zinc	65.2	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 19-0-1
Lab Sample Number: 98-10-0606-35

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.28	0.75		mg/kg
Barium	33.2	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	2.75	0.50		mg/kg
Chromium (Total)	37.4	0.25		mg/kg
Cobalt	10.4	0.25		mg/kg
Copper	1680	0.25		mg/kg
Lead	79.9	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	3010	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	0.72	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	12.6	0.25		mg/kg
Zinc	530	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: AREA 19-2-3
Lab Sample Number: 98-10-0606-36

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	1.91	0.75		mg/kg
Barium	41.5	0.50		mg/kg
Beryllium	0.32	0.25		mg/kg
Cadmium	1.39	0.50		mg/kg
Chromium (Total)	14.1	0.25		mg/kg
Cobalt	7.24	0.25		mg/kg
Copper	278	0.25		mg/kg
ad	6.60	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	722	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	21.0	0.25		mg/kg
Zinc	119	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs2
Matrix: Solid
Preparation: Total Digestion
Method: EPA 6010B

Date Collected: N/A
Date Received: N/A
Date Prepared: 10/26/98
Date Analyzed: 10/27/98

Client Sample Number: Method Blank
Lab Sample Number: 097-01-002-719

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	ND	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	ND	0.50		mg/kg
Chromium (Total)	ND	0.25		mg/kg
Cobalt	ND	0.25		mg/kg
Copper	0.42	0.25		mg/kg
Lead	ND	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	ND	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	ND	0.25		mg/kg
Zinc	ND	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981026lcs3
Matrix:	Solid
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: N/A
	Date Received: N/A
	Date Prepared: 10/26/98
	Date Analyzed: 10/27/98

Client Sample Number: Method Blank 2
Lab Sample Number: 097-01-002-720

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	ND	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	ND	0.50		mg/kg
Chromium (Total)	ND	0.25		mg/kg
Cobalt	ND	0.25		mg/kg
Copper	0.30	0.25		mg/kg
Lead	ND	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	ND	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	ND	0.25		mg/kg
Zinc	ND	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name: GeoSyntec Consultants
Project ID: Pomona Plating/HR0228-01
Work Order Number: 98-10-0606
QC Batch ID: 981026lcs4
Matrix: Solid
Preparation: Total Digestion
Method: EPA 6010B

Date Collected: N/A
Date Received: N/A
Date Prepared: 10/26/98
Date Analyzed: 10/27/98

Client Sample Number: Method Blank 3
Lab Sample Number: 097-01-002-717

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.75		mg/kg
Arsenic	ND	0.75		mg/kg
Barium	ND	0.50		mg/kg
Beryllium	ND	0.25		mg/kg
Cadmium	ND	0.50		mg/kg
Chromium (Total)	ND	0.25		mg/kg
Cobalt	ND	0.25		mg/kg
Copper	0.26	0.25		mg/kg
Lead	ND	0.50		mg/kg
Molybdenum	ND	0.25		mg/kg
Nickel	ND	0.25		mg/kg
Selenium	ND	0.75		mg/kg
Silver	ND	0.50		mg/kg
Thallium	ND	0.75		mg/kg
Vanadium	ND	0.25		mg/kg
Zinc	ND	1.00		mg/kg



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981027lcs3
Matrix:	Aqueous
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: 10/23/98
	Date Received: 10/23/98
	Date Prepared: 10/27/98
	Date Analyzed: 10/28/98

Client Sample Number: RINSATE
Lab Sample Number: 98-10-0606-37

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.015		mg/L
Arsenic	ND	0.015		mg/L
Barium	ND	0.010		mg/L
Beryllium	ND	0.001		mg/L
Cadmium	ND	0.005		mg/L
Chromium (Total)	ND	0.005		mg/L
Cobalt	ND	0.005		mg/L
Copper	0.006	0.005		mg/L
ad	ND	0.010		mg/L
Molybdenum	ND	0.005		mg/L
Nickel	ND	0.005		mg/L
Selenium	ND	0.015		mg/L
Silver	ND	0.005		mg/L
Thallium	ND	0.015		mg/L
Vanadium	ND	0.005		mg/L
Zinc	0.015	0.010		mg/L



ANALYTICAL REPORT
EPA 6010B CAC, Title 22 Metals

Client Name:	GeoSyntec Consultants
Project ID:	Pomona Plating/HR0228-01
Work Order Number:	98-10-0606
QC Batch ID:	981027lcs3
Matrix:	Aqueous
Preparation:	Total Digestion
Method:	EPA 6010B
	Date Collected: N/A
	Date Received: N/A
	Date Prepared: 10/27/98
	Date Analyzed: 10/28/98

Client Sample Number: Method Blank
Lab Sample Number: 097-01-003-587

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>Qualifiers</u>	<u>Units</u>
Antimony	ND	0.015		mg/L
Arsenic	ND	0.015		mg/L
Barium	ND	0.010		mg/L
Beryllium	ND	0.001		mg/L
Cadmium	ND	0.005		mg/L
Chromium (Total)	ND	0.005		mg/L
Cobalt	ND	0.005		mg/L
Copper	ND	0.005		mg/L
ad	ND	0.010		mg/L
Molybdenum	ND	0.005		mg/L
Nickel	ND	0.005		mg/L
Selenium	ND	0.015		mg/L
Silver	ND	0.005		mg/L
Thallium	ND	0.015		mg/L
Vanadium	ND	0.005		mg/L
Zinc	ND	0.010		mg/L



QUALITY ASSURANCE SUMMARY

ICP / GF Metals (Solids)

GeoSyntec Consultants
Page 1 of 1

Work Order No.: 98-10-0606
Date Analyzed: 10/27-28/98

Matrix Spike/Matrix Spike Duplicate (10/27/98 #1)

Sample Spiked: AREA 3-2-3

<u>Analyte</u>	<u>Method</u>	<u>MS%REC</u>	<u>MSD%REC</u>	<u>Control Limits</u>	<u>%RPD</u>	<u>Control Limits</u>
Mercury	EPA 7471A	122	130	50 - 130	6	0 - 20

Matrix Spike/Matrix Spike Duplicate (10/27/98 #2)

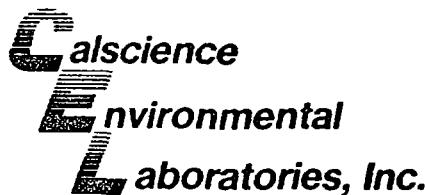
Sample Spiked: AREA 17-0-1

<u>Analyte</u>	<u>Method</u>	<u>MS%REC</u>	<u>MSD%REC</u>	<u>Control Limits</u>	<u>%RPD</u>	<u>Control Limits</u>
Mercury	EPA 7471A	102	90	50 - 130	13	0 - 20

Matrix Spike/Matrix Spike Duplicate (10/28/98)

Sample Spiked: AREA 14-2-3

<u>Analyte</u>	<u>Method</u>	<u>MS%REC</u>	<u>MSD%REC</u>	<u>Control Limits</u>	<u>%RPD</u>	<u>Control Limits</u>
Mercury	EPA 7471A	114	114	50 - 130	0	0 - 20



QUALITY ASSURANCE SUMMARY

ICP / GF Metals (Aqueous)

GeoSyntec Consultants
Page 1 of 1

Work Order No.: 98-10-0606
Date Analyzed: 10/27/98

Matrix Spike/Matrix Spike Duplicate

Sample Spiked: 98-10-0418-1

<u>Analyte</u>	<u>Method</u>	<u>MS%REC</u>	<u>MSD%REC</u>	<u>Control Limits</u>	<u>%RPD</u>	<u>Control Limits</u>
Mercury	EPA 7470A	92	92	50 - 130	0	0 - 20



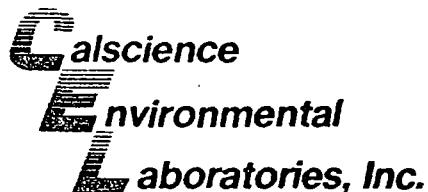
Quality Control - Spike/Spike Duplicate
EPA 6010B CAC, Title 22 Metals

MS/MSD Batch Number: 102698ms2
Matrix: Solid
Method: EPA 6010B

Instrument: ICP 2000
Date Extracted: 10/26/98
Date Analyzed: 10/27/98

Spiked Sample ID: AREA 3-2-3

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	38	43	50-115	13	0-20	3
Arsenic	90	90	75-125	0	0-20	
Barium	88	56	75-125	16	0-20	3
Beryllium	81	80	75-125	1	0-20	
Cadmium	85	84	75-125	0	0-20	
Chromium (Total)	85	75	75-125	8	-0-20	
Cobalt	86	82	75-125	4	0-20	
Copper	80	65	75-125	11	0-20	3
Lead	84	82	75-125	1	0-20	
Molybdenum	83	83	75-125	0	0-20	
Nickel	4X	4X	75-125	4X	0-20	Q
Selenium	78	79	75-125	2	0-20	
Silver	86	86	75-125	0	0-20	
Thallium	60	66	75-125	9	0-20	3
Vanadium	86	69	75-125	12	0-20	3
Zinc	67	41	75-125	14	0-20	3



Quality Control - Spike/Spike Duplicate
EPA 6010B CAC, Title 22 Metals

MS/MSD Batch Number: 102698ms3
Matrix: Solid
Method: EPA 6010B

Instrument: ICP 2000
Date Extracted: 10/26/98
Date Analyzed: 10/27/98

Spiked Sample ID: AREA 17-0-1

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	48	55	50-115	14	0-20	3
Arsenic	94	95	75-125	1	0-20	
Barium	101	98	75-125	2	0-20	
Beryllium	84	86	75-125	1	0-20	
Cadmium	89	90	75-125	1	0-20	
Chromium (Total)	95	94	75-125	0	0-20	
Cobalt	90	91	75-125	1	0-20	
Copper	92	93	75-125	1	0-20	
Lead	89	94	75-125	5	0-20	
Molybdenum	86	88	75-125	2	0-20	
Nickel	96	93	75-125	2	0-20	
Selenium	82	82	75-125	0	0-20	
Silver	78	90	75-125	15	0-20	
Thallium	67	72	75-125	6	0-20	3
Vanadium	92	92	75-125	0	0-20	
Zinc	90	91	75-125	0	0-20	



Quality Control - Spike/Spike Duplicate
EPA 6010B CAC, Title 22 Metals

MS/MSD Batch Number: 102698ms4
Matrix: Solid
Method: EPA 6010B

Instrument: ICP 2000
Date Extracted: 10/26/98
Date Analyzed: 10/27/98

Spiked Sample ID: AREA 14-2-3

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	54	50	50-115	8	0-20	
Arsenic	88	92	75-125	3	0-20	
Barium	94	100	75-125	4	0-20	
Beryllium	82	85	75-125	4	0-20	
Cadmium	86	89	75-125	4	0-20	
Chromium (Total)	88	99	75-125	9	0-20	
Cobalt	88	93	75-125	5	0-20	
Copper	84	90	75-125	3	0-20	
Lead	86	89	75-125	4	0-20	
Molybdenum	85	88	75-125	3	0-20	
Nickel	83	90	75-125	4	0-20	
Selenium	79	83	75-125	5	0-20	
Silver	87	92	75-125	5	0-20	
Thallium	70	68	75-125	1	0-20	
Vanadium	88	100	75-125	8	0-20	
Zinc	82	90	75-125	5	0-20	

3



Quality Control - Spike/Spike Duplicate
EPA 6010B CAC, Title 22 Metals

MS/MSD Batch Number: 102798ms3
Matrix: Aqueous
Method: EPA 6010B

Instrument: ICP 2000
Date Extracted: 10/27/98
Date Analyzed: 10/28/98

Spiked Sample ID: 98-10-0593-8

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	85	90	80-120	5	0-20	
Arsenic	88	93	80-120	5	0-20	
Barium	71	74	80-120	5	0-20	3
Beryllium	64	67	80-120	4	0-20	3
Cadmium	62	65	80-120	4	0-20	3
Chromium (Total)	68	71	80-120	4	0-20	3
Cobalt	63	65	80-120	4	0-20	3
Copper	94	100	80-120	6	0-20	
Lead	61	64	80-120	4	0-20	3
Molybdenum	68	71	80-120	4	0-20	3
Nickel	62	65	80-120	4	0-20	3
Selenium	80	84	80-120	4	0-20	
Silver	96	102	80-120	6	0-20	
Thallium	55	57	80-120	4	0-20	3
Vanadium	72	75	80-120	4	0-20	3
Zinc	87	92	80-120	5	0-20	

Calscience

Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

EPA 6010B CAC, Title 22 Metals

LCS Batch Number: 981026lcs2

Lab File ID: 981026-L

Matrix: Solid

Method: EPA 6010B

Instrument: ICP 2000

Date Analyzed: 10/27/98

LCS Sample Number: 097-01-002-719

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>%Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Antimony	50	44.2	88	80-120	
Arsenic	50	50.3	101	80-120	
Barium	50	51.6	103	80-120	
Beryllium	50	46.1	92	80-120	
Cadmium	50	49.6	99	80-120	
Chromium (Total)	50	50.0	100	80-120	
Cobalt	50	50.8	102	80-120	
Copper	50	51.7	103	80-120	
Lead	50	49.7	99	80-120	
Molybdenum	50	48.7	97	80-120	
Nickel	50	53.9	108	80-120	
Selenium	50	45.4	91	80-120	
Silver	25	23.7	95	80-120	
Thallium	50	49.3	98	80-120	
Vanadium	50	48.6	97	80-120	
Zinc	50	50.9	102	80-120	

Calscience

Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc. EPA 6010B CAC, Title 22 Metals

LCS Batch Number: 981026lcs3

Lab File ID: 981026-L

Matrix: Solid

Method: EPA 6010B

Instrument: ICP 2000

Date Analyzed: 10/27/98

LCS Sample Number: 097-01-002-720

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>%Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Antimony	50	45.6	91	80-120	
Arsenic	50	51.5	103	80-120	
Barium	50	51.8	104	80-120	
Beryllium	50	46.6	93	80-120	
Cadmium	50	50.4	101	80-120	
Chromium (Total)	50	51.0	102	80-120	
Cobalt	50	51.6	103	80-120	
Copper	50	47.8	96	80-120	
Lead	50	51.0	102	80-120	
Molybdenum	50	49.3	99	80-120	
Nickel	50	55.2	110	80-120	
Selenium	50	46.1	92	80-120	
Silver	25	23.7	95	80-120	
Thallium	50	49.8	100	80-120	
Vanadium	50	49.0	98	80-120	
Zinc	50	51.4	103	80-120	

Calscience

Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc. EPA 6010B CAC, Title 22 Metals

LCS Batch Number: 981026lcs4
Lab File ID: 981026-L
Matrix: Solid
Method: EPA 6010B

Instrument: ICP 2000
Date Analyzed: 10/27/98

LCS Sample Number: 097-01-002-717

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>%Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Antimony	50	45.3	91	80-120	
Arsenic	50	50.4	101	80-120	
Barium	50	52.2	104	80-120	
Beryllium	50	46.5	93	80-120	
Cadmium	50	49.9	100	80-120	
Chromium (Total)	50	49.8	100	80-120	
Cobalt	50	50.8	102	80-120	
Copper	50	49.2	98	80-120	
Lead	50	50.0	100	80-120	
Molybdenum	50	49.3	99	80-120	
Nickel	50	53.8	108	80-120	
Selenium	50	46.0	92	80-120	
Silver	25	23.5	94	80-120	
Thallium	50	50.2	100	80-120	
Vanadium	50	48.7	98	80-120	
Zinc	50	50.7	101	80-120	

Calscience

Environmental Laboratories, Inc. Quality Control - Laboratory Control Sample
EPA 6010B CAC, Title 22 Metals

LCS Batch Number: 981027lcs3
Lab File ID: 981027-L
Matrix: Aqueous
Method: EPA 6010B

Instrument: ICP 2000
Date Analyzed: 10/28/98

LCS Sample Number: 097-01-003-587

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>%Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Antimony	1.00	0.891	89	80-120	
Arsenic	1.00	1.03	103	80-120	
Barium	1.00	1.06	106	80-120	
Beryllium	1.00	0.952	95	80-120	
Cadmium	1.00	1.01	101	80-120	
Chromium (Total)	1.00	1.01	101	80-120	
Cobalt	1.00	1.04	104	80-120	
Copper	1.00	0.991	99	80-120	
Lead	1.00	1.02	102	80-120	
Molybdenum	1.00	1.01	101	80-120	
Nickel	1.00	1.05	105	80-120	
Selenium	1.00	0.928	93	80-120	
Silver	0.500	0.464	93	80-120	
Thallium	1.00	1.00	100	80-120	
Vanadium	1.00	0.999	100	80-120	
Zinc	1.00	1.01	101	80-120	



GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 98-10-0606

<u>Qualifier</u>	<u>Definition</u>
3	MS or MSD compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
ND	Not detected at indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the sample concentration exceeding the spike concentration by a factor of four or greater.

CAL SCIENCE ENVIRONMENTAL
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7440 LINCOLN WAY
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CHAIN OF CUSTODY RECORD

Date Oct 22, 1998

Page 1 of 5

LABORATORY CLIENT: GeoSyntec Consultants				
ADDRESS: 2100 Main Street Suite 150				
CITY	STATE	ZIP		
Huntington Beach	CA	92648		
TEL: (714) 969-0800	FAX: (714) 969-0820	E-MAIL:		
TURNAROUND TIME (RUSH SURCHARGES MAY APPLY)				
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HRS <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS				

CLIENT PROJECT NAME / NUMBER: Pomona Plating HR0228-01		P.O. NO.: HR0228
PROJECT CONTACT: Jack Caldwell		QUOTE NO.:
SAMPLER(S): (SIGNATURE) <i>Brian Henderson</i>		LAB USE ONLY <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

REQUESTED ANALYSES																				
LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING		MATRIX	NO. OF CONT.	TPH (g) (d) (o)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST / PCBs (8081A)	EDB / DBCP (504.1 or 8011)	CAC, T22 METALS (6010A)	ICP/MS METALS (6020)	PNAS (8310)	VOCs (TO-14)	CH ₄ / TGNMO (25.1)	FIXED GASES (25.1 or D1946)	EPA 9045 (Ph)
			DATE	TIME																
	AREA7-0-1	Outside Building	10/22/98	0810	Soil	1							X						X	
	AREA8-0-1			0815		1							X						X	
	AREA7-2-3			0825		1							X						X	
	AREA8-2-3			0830		1							X						X	
	AREA1-0-1			0930		1							X						X	
	AREA1-D- 10 2-3			0935		1							X						X	
	AREA2-0-1			0945		1							X						X	
	AREA2-D- 10 2-3			0950		1							X						X	
	AREA3-0-1			1000		1							X						X	
	AREA3-2-3			1020		1							X						X	

Relinquished by: (Signature)

Received by: (Signature)

Date: 10/23/98 Time: 14:45

Relinquished by: (Signature)

Received by: (Signature)

Date: Time:

Relinquished by: (Signature)

Received from laboratory by: (Signature)

Date: 10/23/98 Time: 17:00

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CHAIN OF CUSTODY RECORD

Date Oct 22, 98Page 2 of 5

LABORATORY CLIENT: GeoSyntec Consultants ADDRESS: 2100 Main Street Suite 150 CITY: Huntington Beach STATE: CA ZIP: 92648 TEL: (714) 969-0800 FAX: (714) 969-0820 E-MAIL:						CLIENT PROJECT NAME / NUMBER: Pomona Plating HR0228-01 PROJECT CONTACT: Jack Caldwell SAMPLER(S): (SIGNATURE) 						P.O. NO.: HR0228 QUOTE NO.: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H																																												
TURNAROUND TIME (RUSH SURCHARGES MAY APPLY): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HRS <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS						REQUESTED ANALYSES <table border="1"> <thead> <tr> <th>LAB USE ONLY</th> <th>SAMPLE ID</th> <th>LOCATION/DESCRIPTION</th> <th colspan="2">SAMPLING</th> <th rowspan="2">MATRIX</th> <th rowspan="2">NO. OF CONT.</th> <th>TPH (g) (d) (o)</th> <th>BTEX / MTBE (8021B)</th> <th>HALOCARBONS (8021B)</th> <th>VOCs (8260B)</th> <th>SVOCs (8270C)</th> <th>PEST / PCBs (8081A)</th> <th>EDB / DBCP (504.1 or 8011)</th> <th>CAC, T22 METALS (6010A)</th> <th>ICP/MS METALS (6020)</th> <th>PNAs (8310)</th> <th>VOCs (TO-14)</th> <th>CH₄ / TGMMO (25.1)</th> <th>FIXED GASES (25.1 or D1946)</th> <th>EPA 9045 (Ph)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>DATE</td> <td>TIME</td> <td></td> </tr> </tbody> </table>										LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING		MATRIX	NO. OF CONT.	TPH (g) (d) (o)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST / PCBs (8081A)	EDB / DBCP (504.1 or 8011)	CAC, T22 METALS (6010A)	ICP/MS METALS (6020)	PNAs (8310)	VOCs (TO-14)	CH ₄ / TGMMO (25.1)	FIXED GASES (25.1 or D1946)	EPA 9045 (Ph)				DATE	TIME															
LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING		MATRIX	NO. OF CONT.	TPH (g) (d) (o)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST / PCBs (8081A)	EDB / DBCP (504.1 or 8011)	CAC, T22 METALS (6010A)	ICP/MS METALS (6020)	PNAs (8310)	VOCs (TO-14)	CH ₄ / TGMMO (25.1)	FIXED GASES (25.1 or D1946)	EPA 9045 (Ph)																																				
			DATE	TIME																																																				
	AREA 4-0-1	Outside Building	10/22/98	1020	Soil	1							X						X																																					
	AREA 4-2-3			1030		1							X						X																																					
	AREA 5-0-1			1030		1							X						X																																					
	AREA 5-2-3			1040	1040	1							X						X																																					
	AREA 35-2-3				1045	1							X						X																																					
	AREA 6-0-1				1045	1							X						X																																					
	AREA 6-2-3				1055	1							X						X																																					
	AREA 15-0-1				1220	1							X						X																																					
	AREA 15-2-3				1230	1							X						X																																					
	AREA 40-2-3				1415	2							X						X																																					
Relinquished by: (Signature) 						Received by: (Signature) 						Date: <u>10/23/98</u> Time: <u>3:45</u>																																												
Relinquished by: (Signature)						Received by: (Signature)						Date: _____ Time: _____																																												
Relinquished by: (Signature)						Received for Laboratory by: (Signature) 						Date: <u>10/23/98</u> Time: <u>17:00</u>																																												

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CHAIN OF CUSTODY RECORD

Date Oct 22, 98

Page 3 of 5

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ZIP	92648		
TEL:	(714) 969-0800	FAX:	(714) 969-0820
E-MAIL:			

TURNAROUND TIME (RUSH SURCHARGES MAY APPLY)

SAME DAY 24 HR 48 HR 72 HRS 5 DAYS 10 DAYS

SPECIAL INSTRUCTIONS

(Total Metals and Ph)

CLIENT PROJECT NAME / NUMBER:

Pomona Plating HR0228-01

P.O. NO.:

HR0228

PROJECT CONTACT:

Jack Caldwell

QUOTE NO.:

SAMPLER(S): (SIGNATURE)

Dawn Hendrix

LAB USE ONLY

 - 5

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING		MATRIX	NO. OF CONT.	ANALYSES											
			DATE	TIME			TPH (g) (l) (o)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST / PCBs (8081A)	EDB / DBCP (604.1 or 8011)	CAC, T22 METALS (6010A)	ICP/MS METALS (6020)	PNAS (8310)	VOCs (10-14)	CH ₄ / TG/NM0 (25.1)
	AREA16-0-1	Inside Building	10/22/98	1310	Soil	1						X					X	
	AREA16-2-3			1325		1						X					X	
	AREA13-0-1			1340		1						X					X	
	AREA13-2-3			1350		1						X					X	
	AREA10-0-1			1400		1						X					X	
	AREA10-2-3			1410		2						X					X	
	AREA17-0-1			1425		2						X					X	
	AREA17-2-3			1435		2						X					Y	
	AREA12-0-1		10/23/98	1010		2						X					X	
	AREA12-0-1			1020		2						X					X	

Relinquished by: (Signature)

Dawn Hendrix

Received by: (Signature)

Dawn Hendrix

Date:

10/23/98

Time:

14:45

Relinquished by: (Signature)

Received by: (Signature)

Date:

Time:

Relinquished by: (Signature)

Received for Laboratory by: (Signature)

Date:

10/20/98

Time:

17:08

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CHAIN OF CUSTODY RECORD

Date Oct 22, 98

Page 4 of 5

LABORATORY CLIENT: GeoSyntec Consultants				CLIENT PROJECT NAME / NUMBER: Pomona Plating HR0228-01				P.O. NO.: HR0228								
ADDRESS: 2100 Main Street Suite 150				PROJECT CONTACT: Jack Caldwell				QUOTE NO.:								
CITY Huntington Beach	STATE CA	ZIP 92648	SAMPLER(S): (SIGNATURE) <i>Darin Hudson</i>				LAB USE ONLY <input type="checkbox"/> O - O G O G									
TEL: (714) 969-0800	FAX: (714) 969-0820	E-MAIL:														
TURNAROUND TIME (RUSH SURCHARGES MAY APPLY)																
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HRS <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS																
SPECIAL INSTRUCTIONS (Total Metals and Ph)																
LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING		MATRIX	NO. OF CONT.	REQUESTED ANALYSES									
			DATE	TIME			TPH (g) (l) (o)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST / PCBs (8081A)	EDB / DBCP (504.1 or 8011)	CAC, T22 METALS (6010A)	ICP/MS METALS (6020)	PNAs (8310)
	AREA 11-0-1	Inside Building	10/23/98	1030	Soil	2			X							X
	AREA 11-2-3	↓		1040		1			X							X
	AREA 18-0-1	Outside Building		1050					X							X
	AREA 18-2-3			1100					X							X
	AREA 19-0-1			1125					X							X
	AREA 19-2-3			1135	↓				X							X
	RINSATE			1140	WATER				X							X
	BG-0-1			1200	SOIL				X							X
	BG-02-3			1210		1			X							X
	AREA 44-0-1	↓		0955	↓	↓			X							X
Relinquished by: (Signature) <i>Darin Hudson</i>				Received by: (Signature)								Date: 10/23/98	Time: YES			
Relinquished by: (Signature)				Received by: (Signature)								Date:	Time:			
Relinquished by: (Signature)				Received for Laboratory by: (Signature)								Date: 10/23/98	Time: 5:00			

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CHAIN OF CUSTODY RECORD

Date Oct 23, 98

Page 5 of 5

LABORATORY CLIENT: GeoSyntec Consultants ADDRESS: 2100 Main Street Suite 150 CITY Huntington Beach STATE CA ZIP 92648 TEL: (714) 969-0800 FAX: (714) 969-0820 E-MAIL:						CLIENT PROJECT NAME / NUMBER: POMONA PLATING / HR0228-01 PROJECT CONTACT: Jack Caldwell SAMPLER(S): (SIGNATURE) Bryan Hundson						P.O. NO.: HR0228 QUOTE NO.: <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>							
TURNAROUND TIME (RUSH SURCHARGES MAY APPLY) <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HRS <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS						REQUESTED ANALYSES													
SPECIAL INSTRUCTIONS (Total Metals and Ph)						TPH (g) (d) (a)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST / PCBs (8081A)	EDB / DBCP (504.1 or 8011)	CAC, T22 METALS (6010A)	ICP/MS METALS (6020)	PNAs (8310)	VOCs (TO-14)	CH ₄ / TGMMO (25.1)	FIXED GASES (25.1 or D1946)	EPA 9045 (Ph)
LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING		MATRIX	NO. OF CONT.													
			DATE	TIME			10/23/98	0950	Soil	2									
AREA IV-0-1	Inside Building		1000				X							X					
AREA IV-2-3							X							X					
Relinquished by: (Signature) Bryan Hundson						Received by: (Signature) 						Date: 10/23/98	Time: 3:45						
Relinquished by: (Signature) 						Received by: (Signature) 						Date:	Time:						
Relinquished by: (Signature) 						Received for Laboratory by: (Signature) 						Date: 10/23/98	Time: 5:00						

All turnaround times are based on working hours of 8:30 a.m. - 5:30 p.m. M - F. Unless otherwise requested, all samples will be disposed of 30 days after receipt.

DISTRIBUTION: White with final report, Yellow to File, Pink to Client

Attachment H
START's Data Review Comments



ecology and environment, inc.

International Specialists in the Environment

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November 19, 1998

U.S. Environmental Protection Agency
Emergency Response Office
75 Hawthorne Street
San Francisco, CA 94105

Ref. No.: T191198-002
TDD No.: 099806-0010
PAN No.: 0327PPRS-XX

Attention: Karen Nelson, Project Officer

Subject: **START's review of Subsurface Soil Sampling Report, dated November 12, 1998, for Pomona Plating Site.**

On November 13, 1998, START received a Subsurface Soil Sampling Report prepared by GeoSyntec Consultants on behalf of David Distefano, dated November 12, 1998, for the analytical results obtained from soil sampling conducted at the Pomona Plating site in Pomona, California on October 22 and 23, 1998. This report described the sample locations and depths, sampling procedures, observations and results of the sampling effort.

Upon review of this report, START submits the following comments:

Analytical results of metals tested by EPA Methods 6010 and 7471A indicated that metals were not found in concentrations above the EPA Region 9 Preliminary Remediation Goals for soils in industrial sites. Because the entire site is covered with either concrete or asphalt, there does not appear to be an imminently dangerous situation from subsurface metals at the site in its present condition.

However, START notes that one sample, BH-19 (0'-1'), taken from the exterior bermed area on the northern side of the building, contained nickel at 3,010 mg/Kg, which exceeds the California Total Threshold Limit Concentration (TTLC) of 2,000 mg/Kg. Additionally, several samples contained metal concentrations below TTLC values but above Soluble Threshold Limit Concentration (STLC) values. Specifically, the metals which were found within these ranges were nickel, copper and zinc. This situation may warrant further investigation at a later date.

K. Nelson
Ref. No.: T191198-002
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If you have any questions or comments, please do not hesitate to contact this office.

Sincerely,

A handwritten signature in black ink, appearing to read "Judy Sapp".

Judy Sapp
START Member

cc: B. Lewis
file